

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024710.D
 Acq On : 18 Jun 2018 23:29
 Operator : MD/SY
 Sample : VU0618WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBL02

Quant Time: Jun 19 05:17:52 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	189756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301044	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151427	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	134648	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	
35) Dibromofluoromethane	4.89	113	118240	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	7.57	98	442776	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	10.31	95	159921	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	

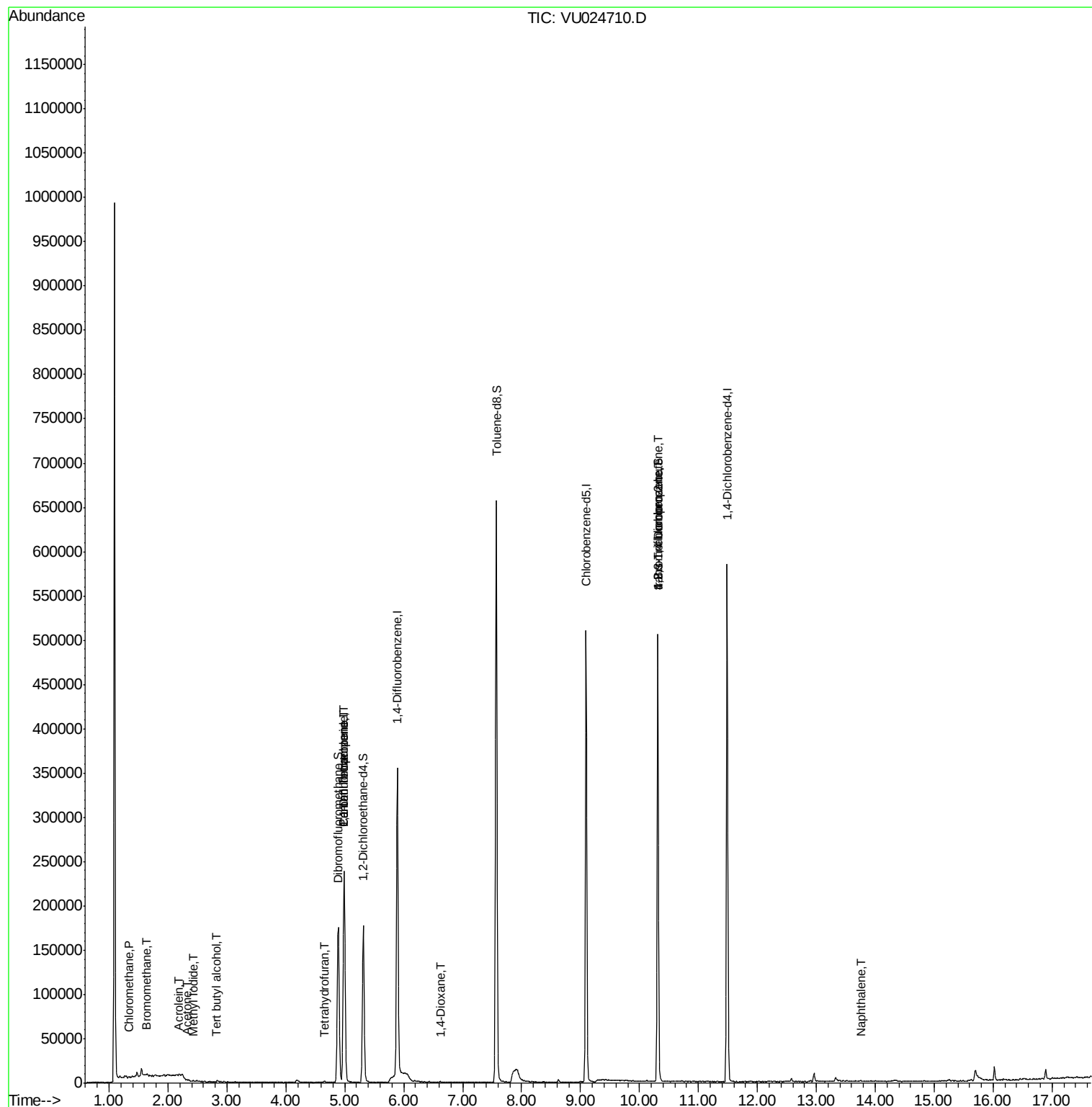
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	920	0.379	ug/l	95
5) Bromomethane	1.64	94	875	0.723	ug/l	83
6) Chloroethane	1.69	64	249	Below Cal	#	43
10) Methyl Iodide	2.42	142	197	5.376	ug/l #	63
11) Tert butyl alcohol	2.84	59	818	1.086	ug/l	95
13) Acrolein	2.17	56	227	0.574	ug/l #	43
16) Acetone	2.32	43	383	0.230	ug/l #	57
29) Tetrahydrofuran	4.65	42	951	0.687	ug/l #	74
31) Cyclohexane	4.99	56	3905	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13157	3.719	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17727	4.557	ug/l #	16
49) 1,4-Dioxane	6.63	88	105	1.654	ug/l #	21
76) 1,2,3-Trichloropropane	10.31	75	80483	24.141	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	80483	55.872	ug/l #	100
95) Naphthalene	13.75	128	1571	0.818	ug/l #	81

(#) = 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: VU024710.D

Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

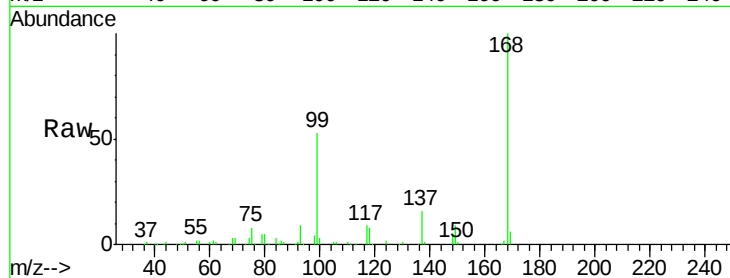
VU0618WBL02

Tgt Ion:168 Resp: 189756

Ion Ratio Lower Upper

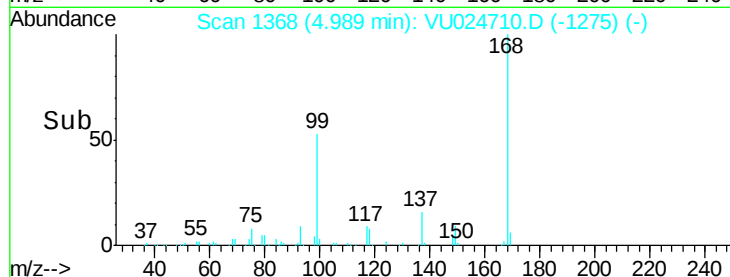
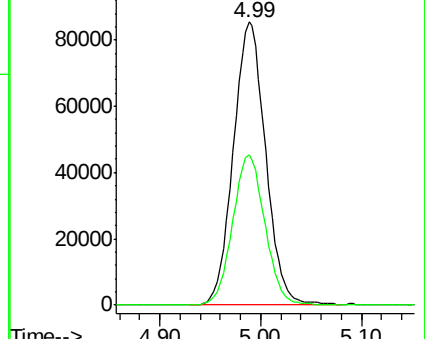
168 100

99 53.0 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) (-)



#3

Chloromethane

Concen: 0.379 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024710.D

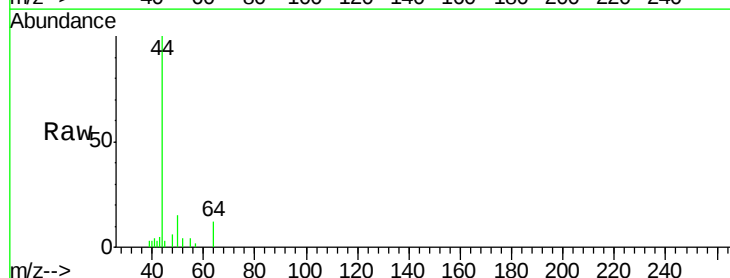
Acq: 18 Jun 2018 23:29

Tgt Ion: 50 Resp: 920

Ion Ratio Lower Upper

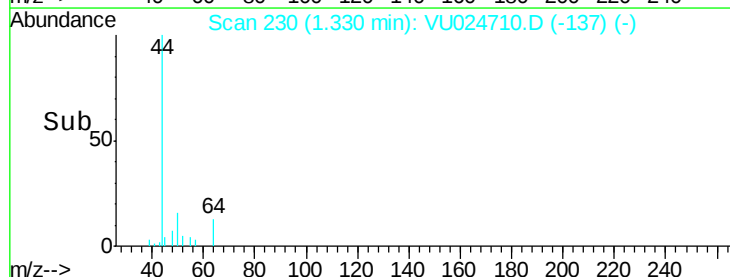
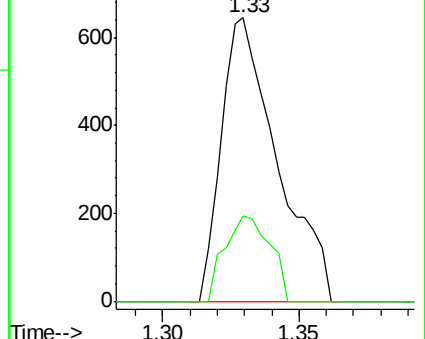
50 100

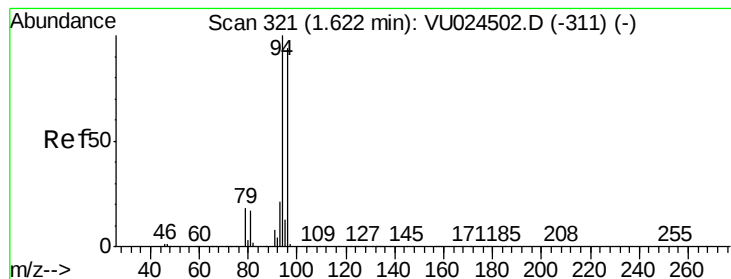
52 30.1 26.4 39.6



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

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





#5

Bromomethane

Concen: 0.723 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

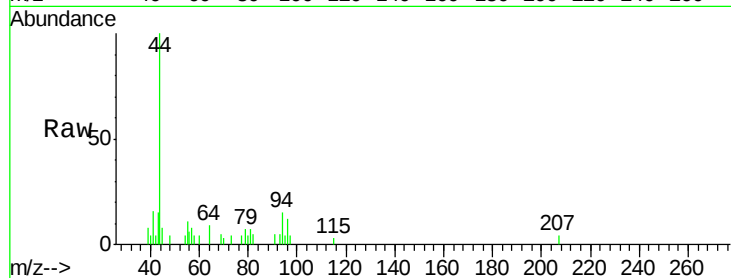
VU0618WBL02

Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

94 100

96 76.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

500

400

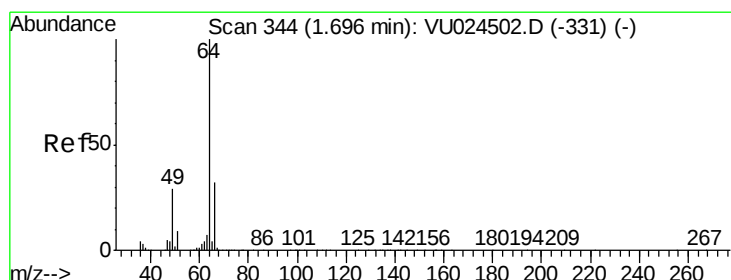
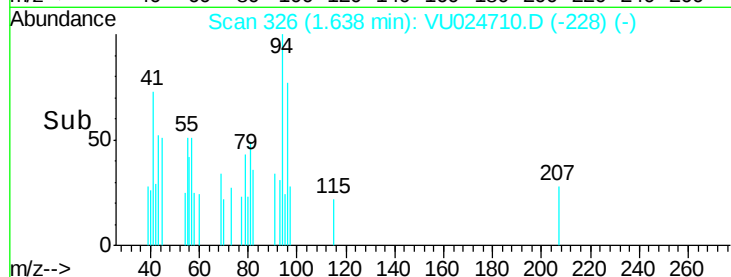
300

200

100

0

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024710.D

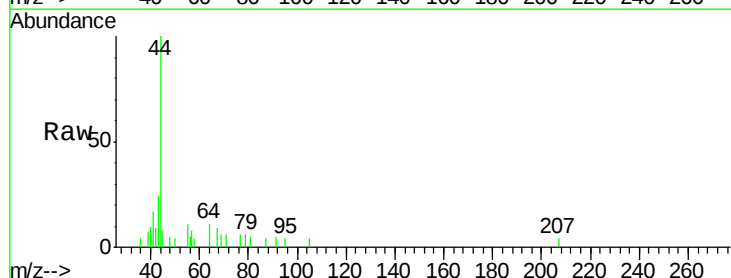
Acq: 18 Jun 2018 23:29

Tgt Ion: 64 Resp: 249

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

1.69

400

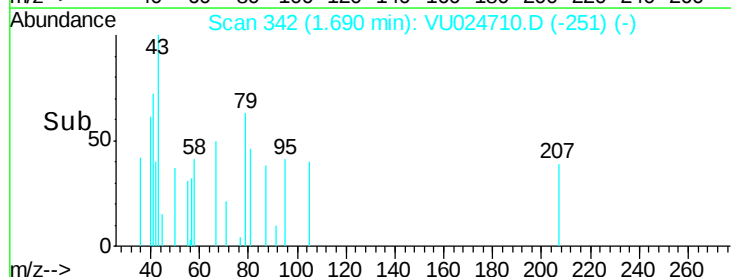
300

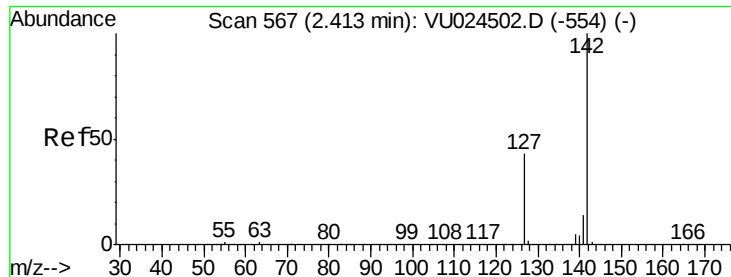
200

100

0

Time-->

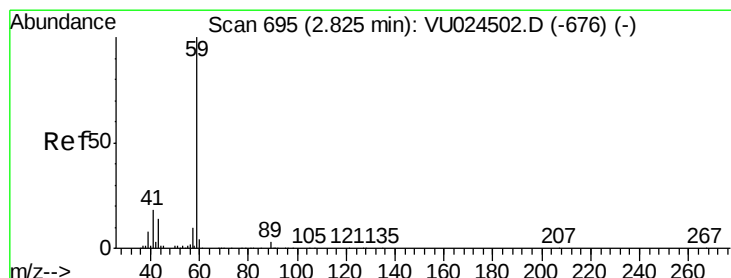
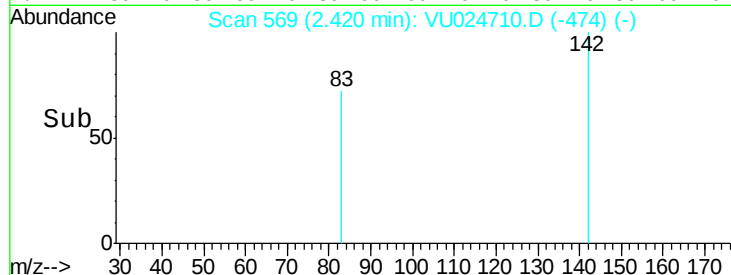
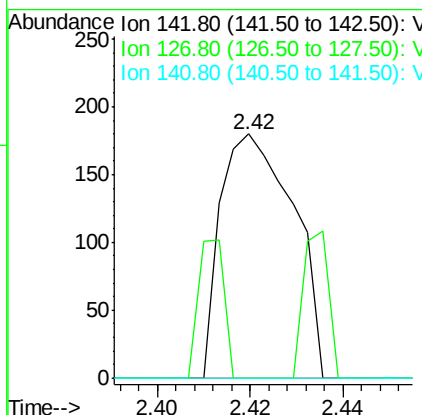
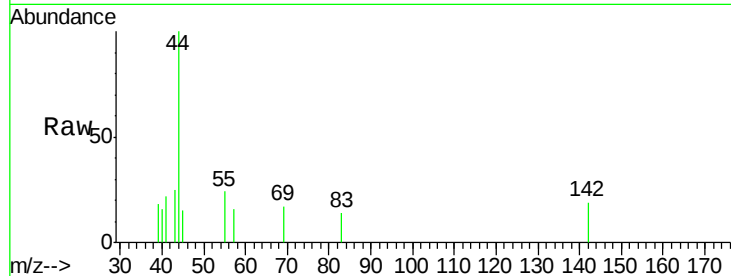




#10
Methyl Iodide
Concen: 5.376 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

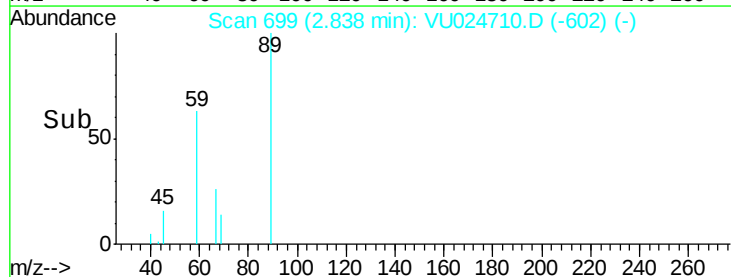
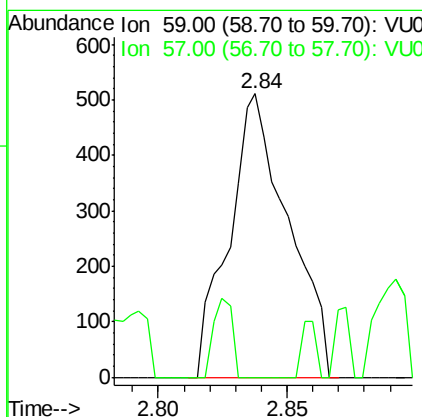
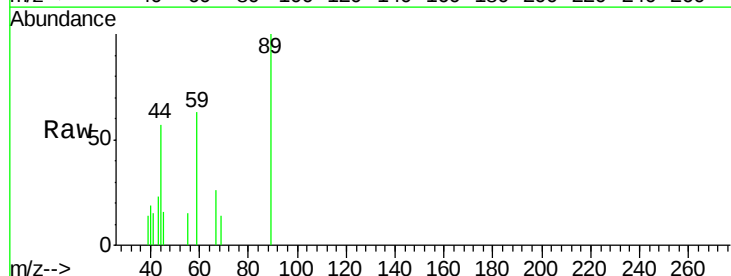
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBL02

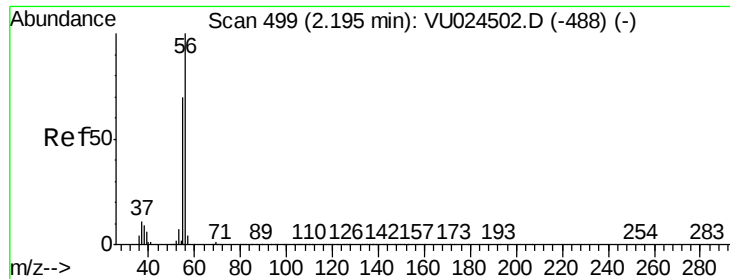
Tgt Ion:142 Resp: 197
Ion Ratio Lower Upper
142 100
127 19.8 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.086 ug/l
RT: 2.84 min Scan# 699
Delta R.T. 0.01 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

Tgt Ion: 59 Resp: 818
Ion Ratio Lower Upper
59 100
57 8.7 8.5 12.7

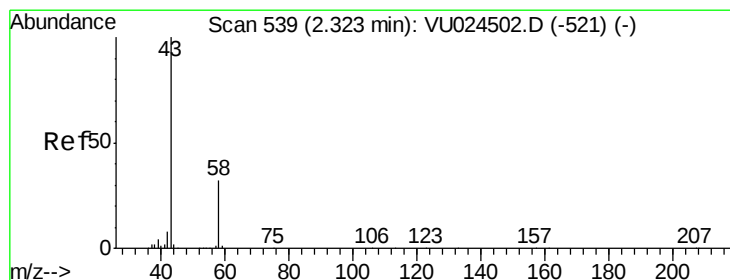
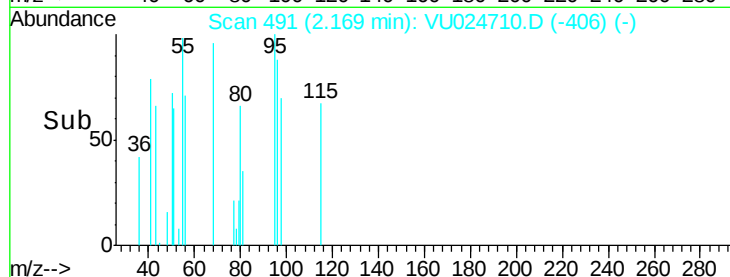
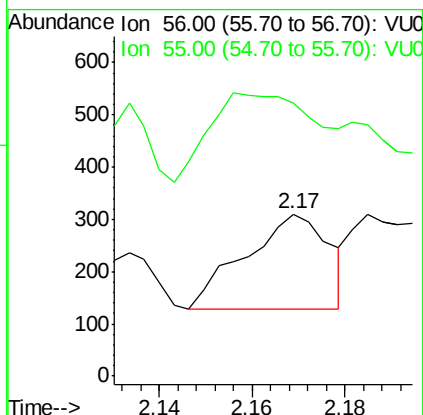
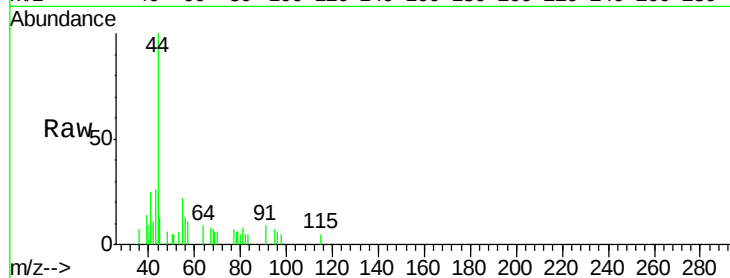




#13
Acrolein
Concen: 0.574 ug/l
RT: 2.17 min Scan# 491
Delta R.T. -0.03 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

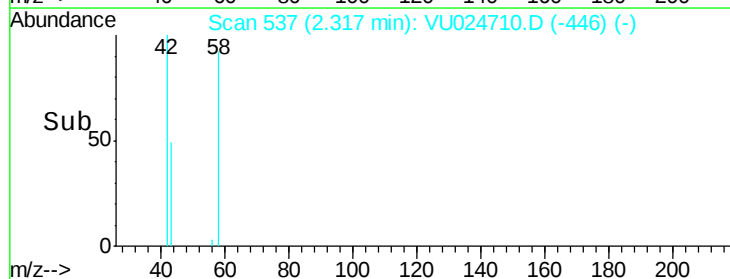
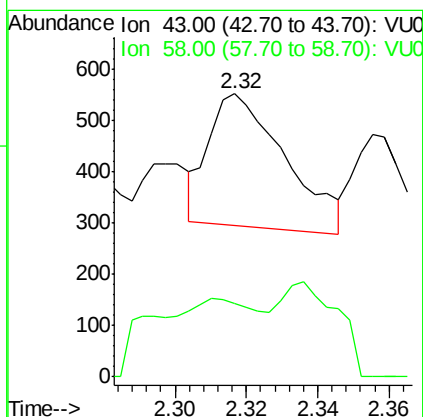
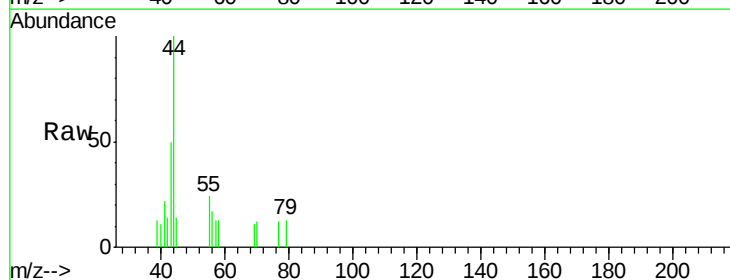
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBL02

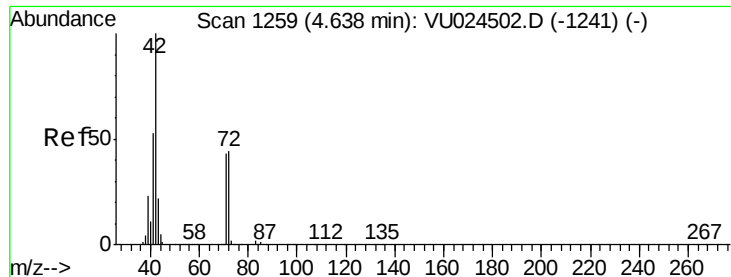
Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 120.7 58.4 87.6#



#16
Acetone
Concen: 0.230 ug/l
RT: 2.32 min Scan# 537
Delta R.T. -0.01 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
58 6.8 24.4 36.6#

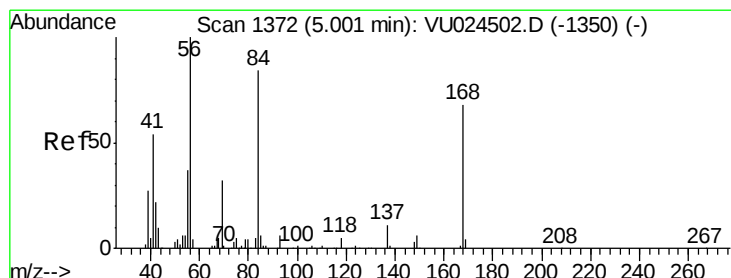
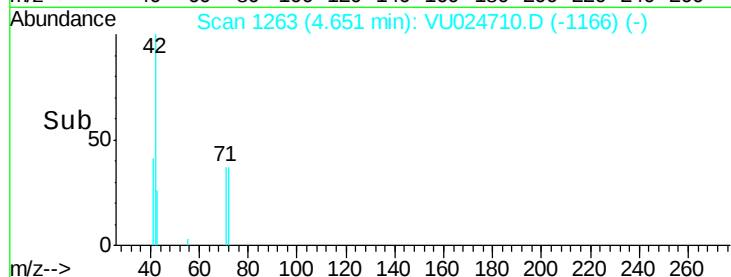
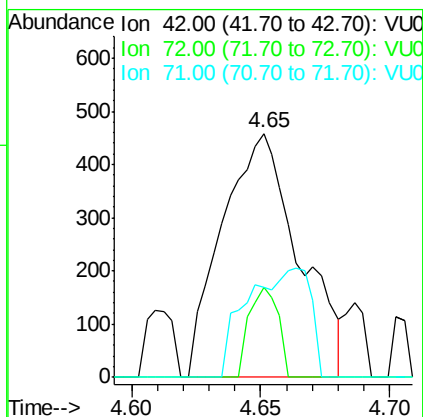
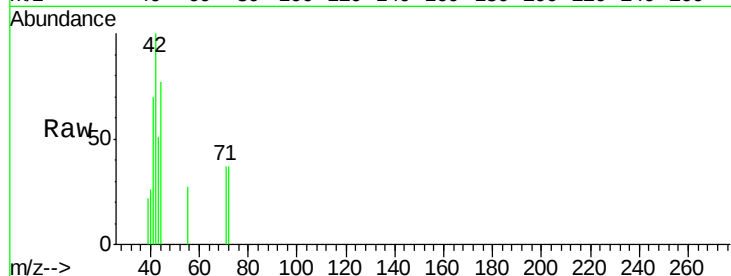




#29
Tetrahydrofuran
Concen: 0.687 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

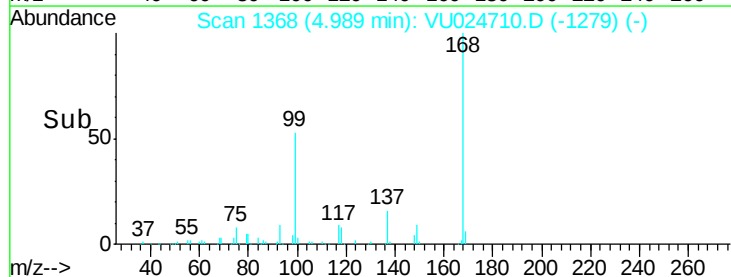
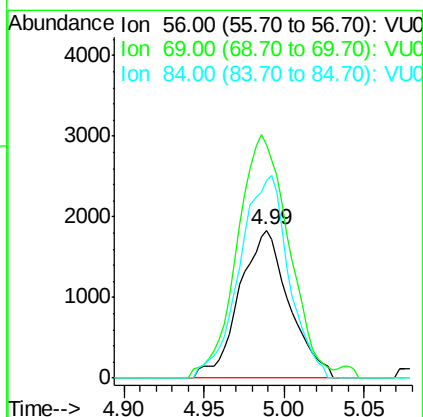
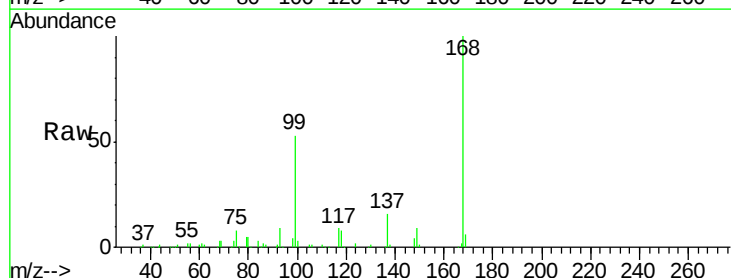
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBL02

Tgt Ion: 42 Resp: 951
Ion Ratio Lower Upper
42 100
72 13.9 34.5 51.7#
71 37.0 32.2 48.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

Tgt Ion: 56 Resp: 3905
Ion Ratio Lower Upper
56 100
69 157.9 24.8 37.2#
84 134.0 65.2 97.8#

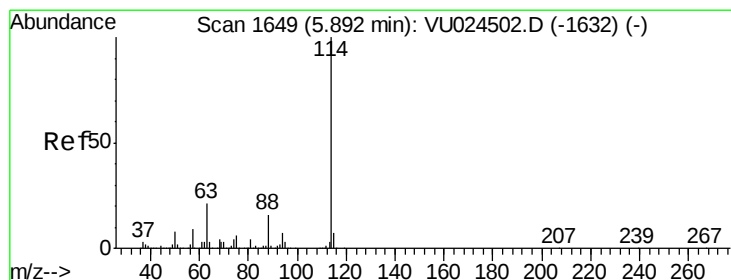
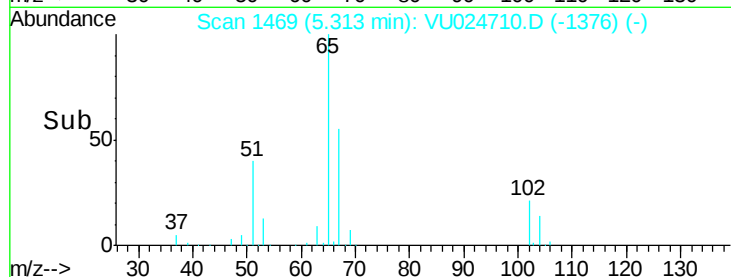
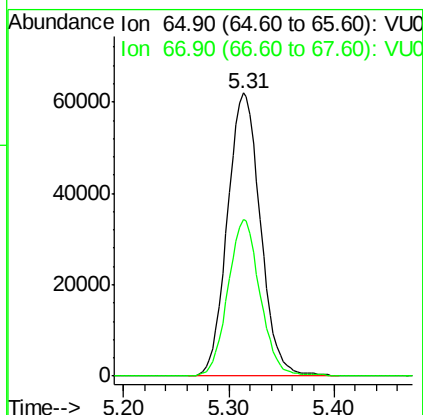
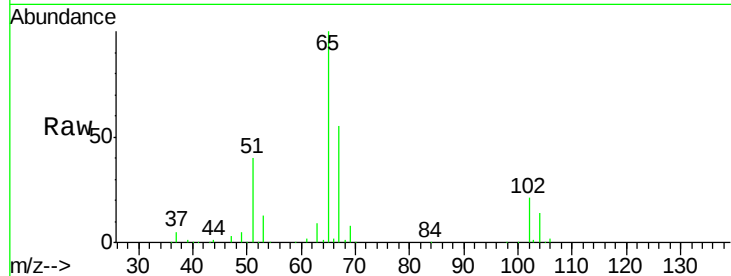




#33
 1,2-Dichloroethane-d4
 Concen: 43.466 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024710.D
 Acq: 18 Jun 2018 23:29

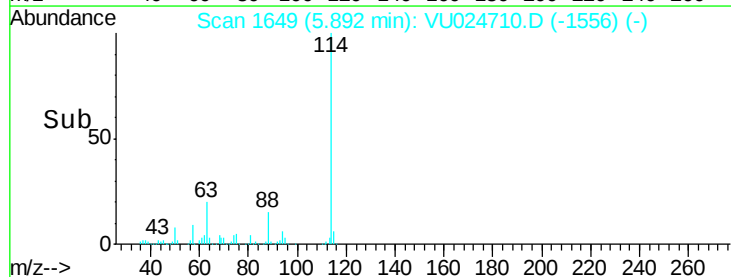
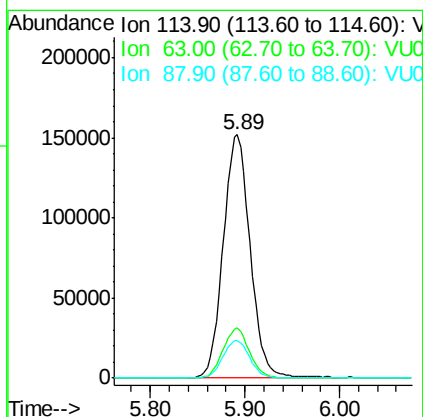
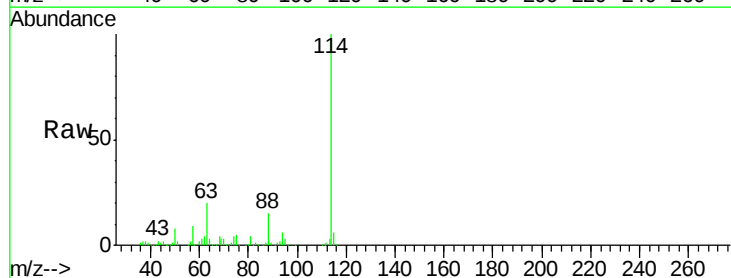
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBL02

Tgt Ion: 65 Resp: 134648
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024710.D
 Acq: 18 Jun 2018 23:29

Tgt Ion: 114 Resp: 301044
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.326 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBL02

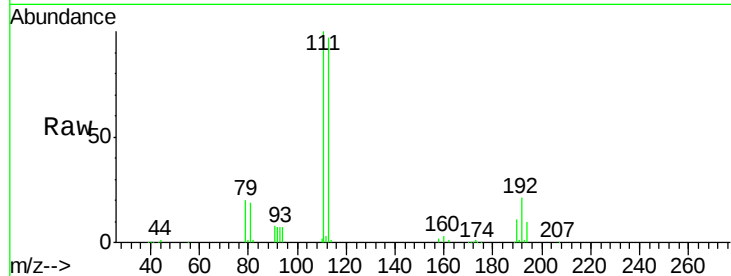
Tgt Ion:113 Resp: 118240

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

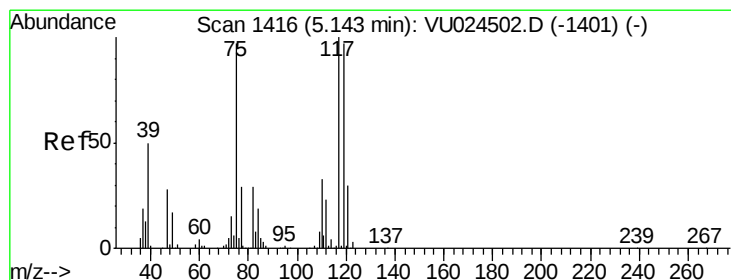
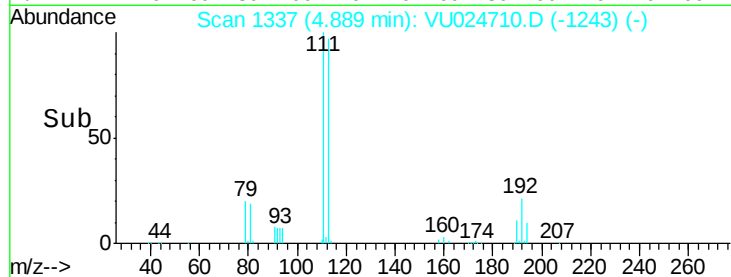
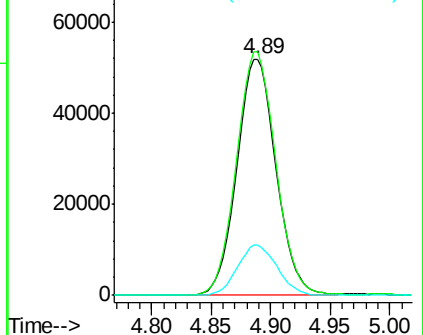
192 21.4 16.2 24.4



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: 3.719 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

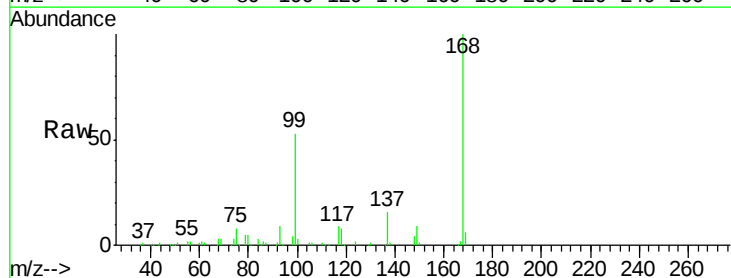
Tgt Ion: 75 Resp: 13157

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

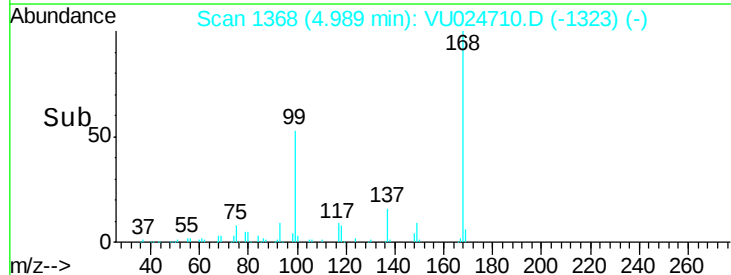
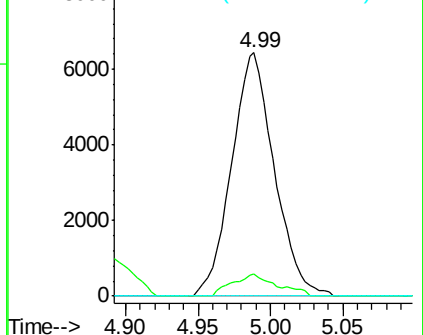
77 0.0 24.2 36.4#

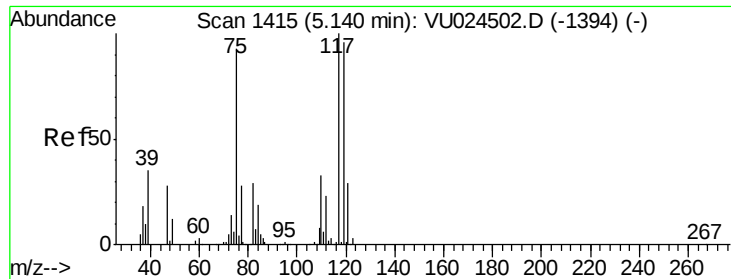


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.557 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBL02

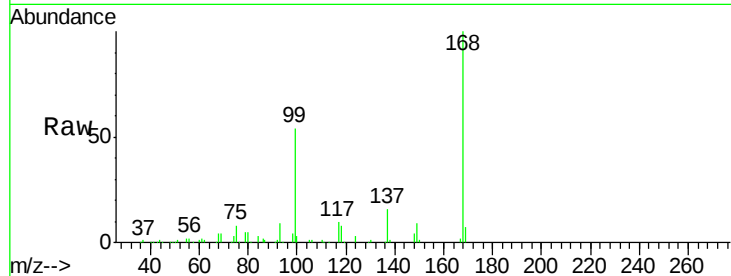
Tgt Ion:117 Resp: 17727

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

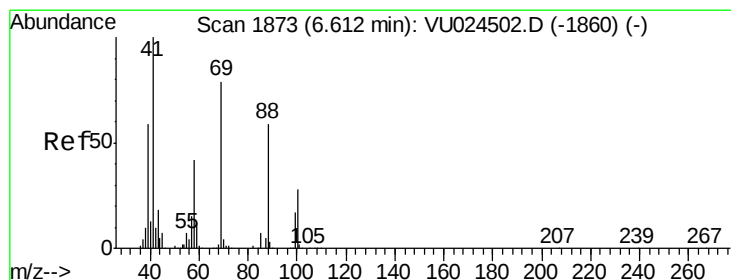
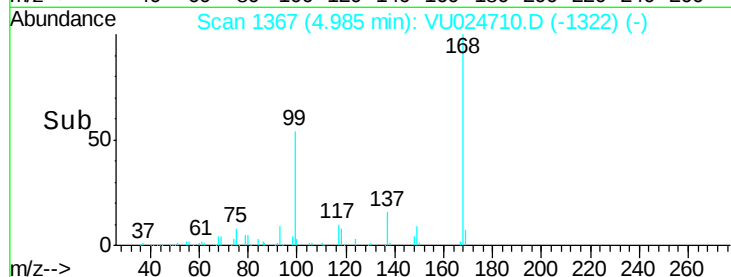
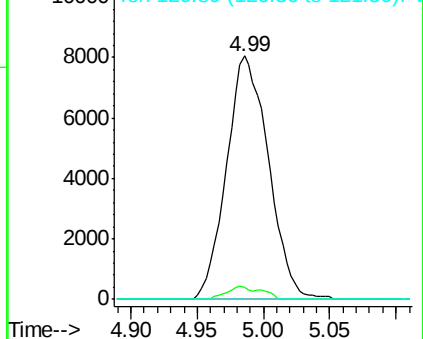
121 0.0 23.7 35.5#



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



#49

1,4-Dioxane

Concen: 1.654 ug/l

RT: 6.63 min Scan# 1878

Delta R.T. 0.02 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

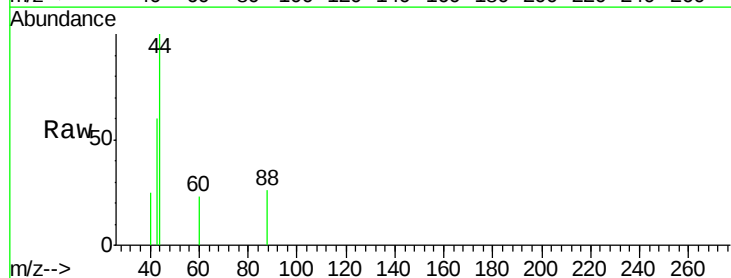
Tgt Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 73.3 28.6 42.8#

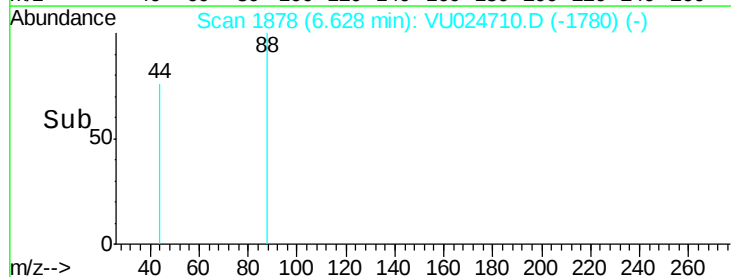
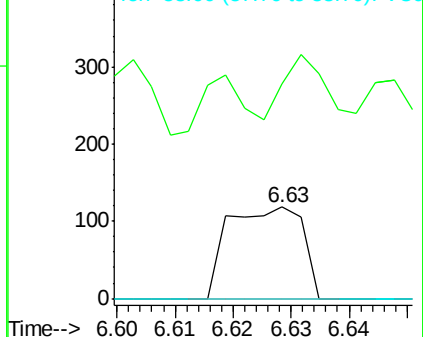
58 0.0 58.2 87.4#

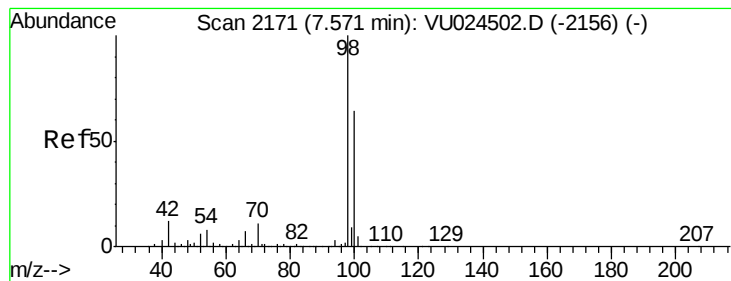


Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#50

Toluene-d8

Concen: 48.586 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

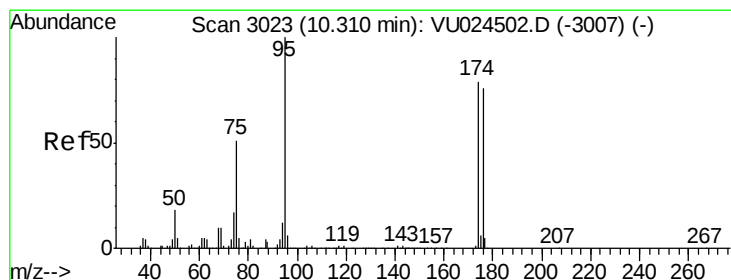
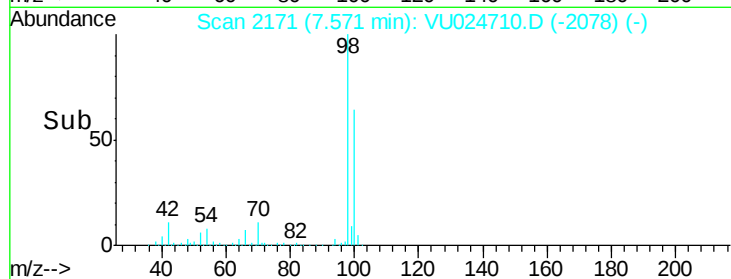
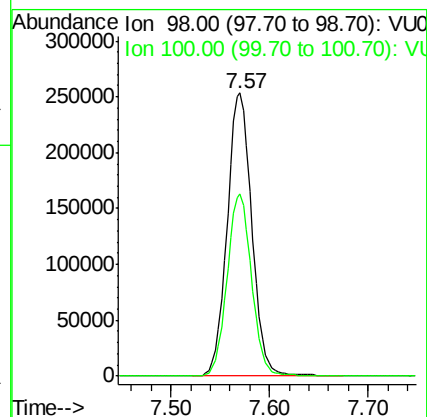
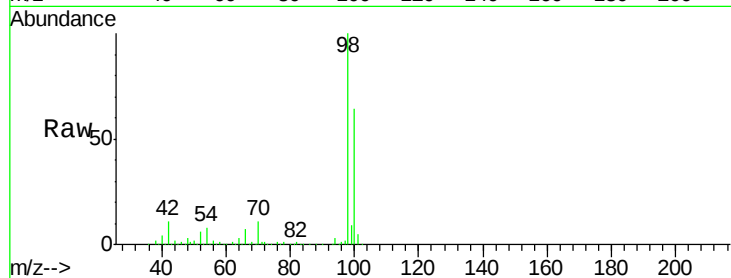
VU0618WBL02

Tgt Ion: 98 Resp: 442776

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.197 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

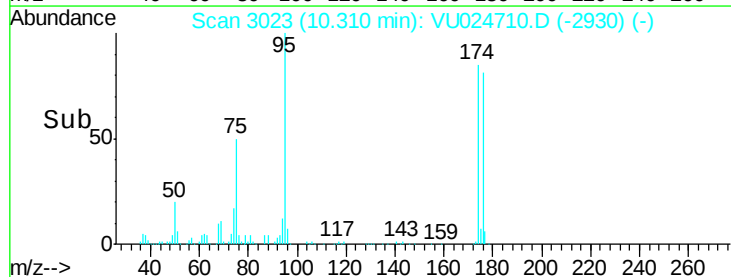
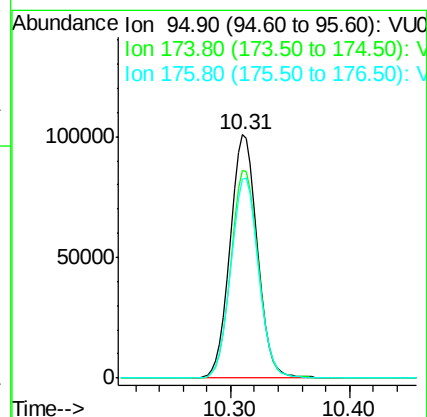
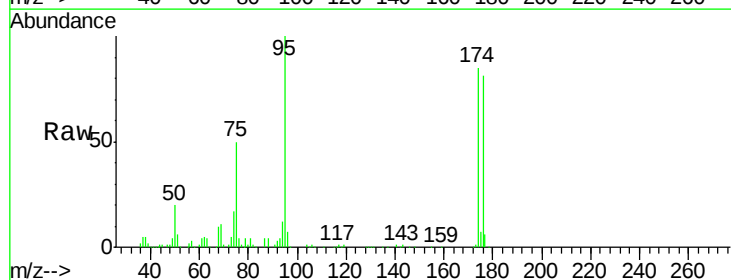
Tgt Ion: 95 Resp: 159921

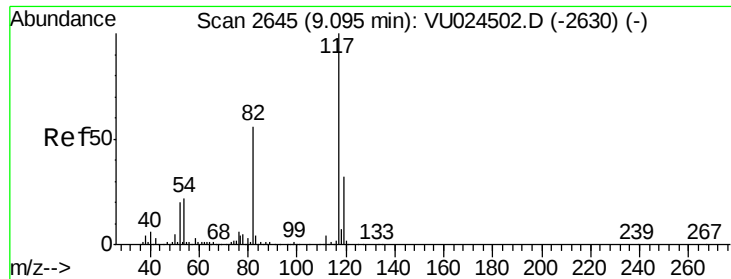
Ion Ratio Lower Upper

95 100

174 86.2 0.0 165.8

176 83.5 0.0 159.4

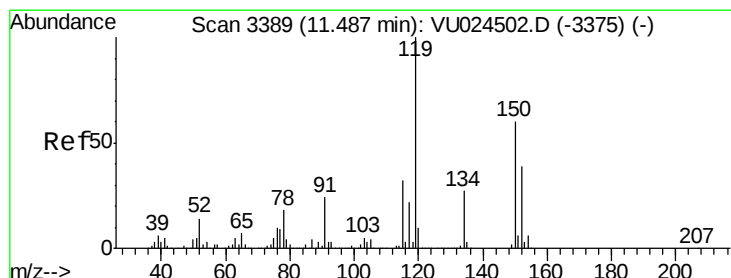
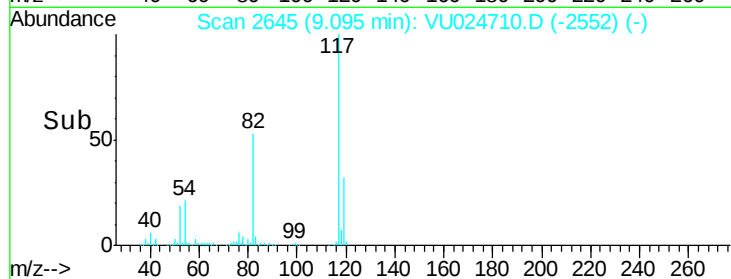
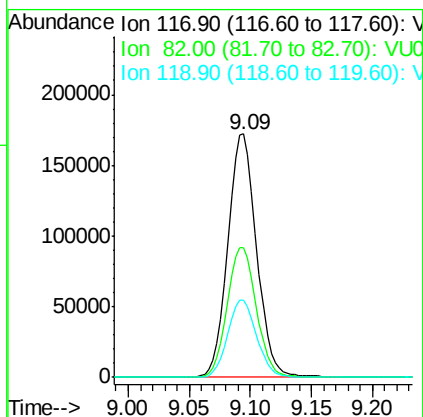
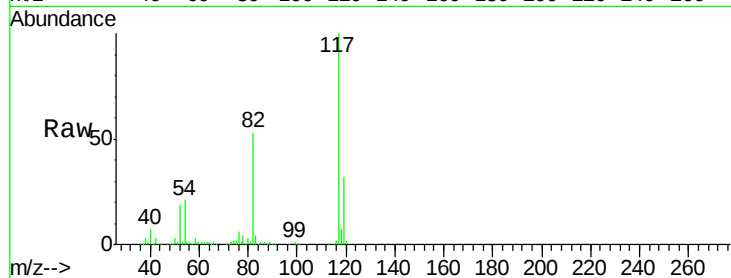




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

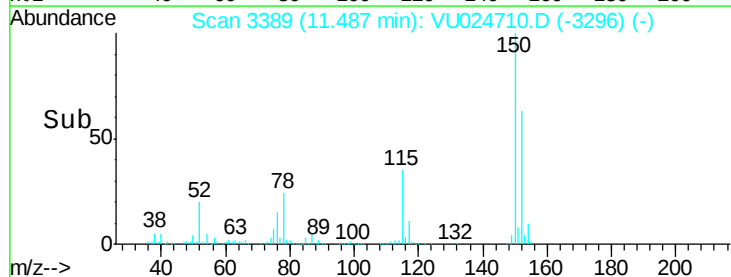
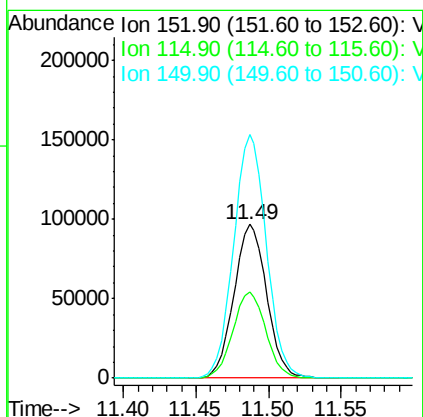
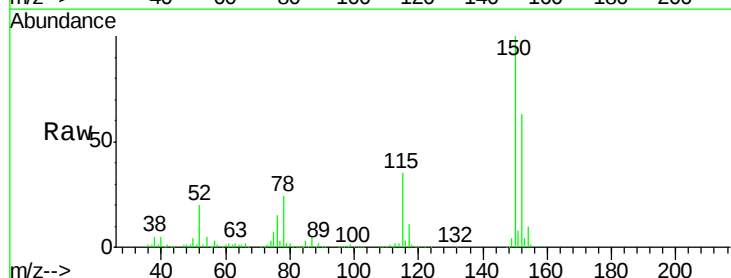
Instrument :
MSVOA_U
ClientSampleId :
VU0618WBL02

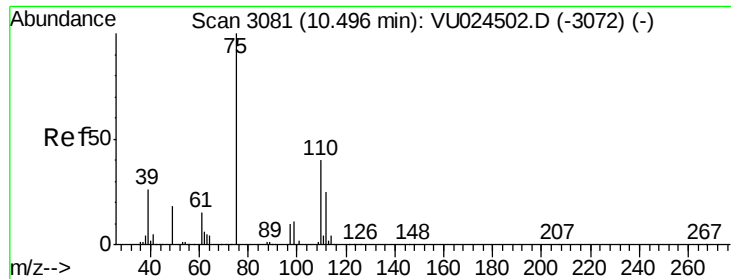
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	284257		
82	53.3		44.3	66.5
119	31.7		25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024710.D
Acq: 18 Jun 2018 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	151427		
115	56.4		43.0	129.0
150	159.1		0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 24.141 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

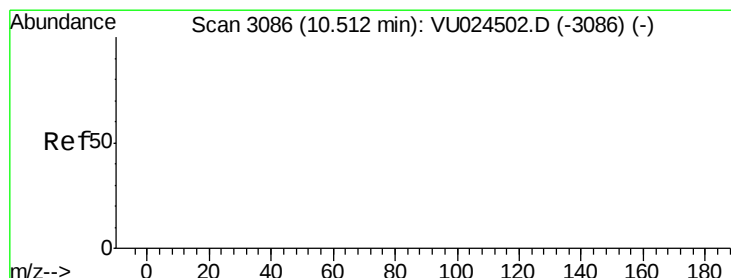
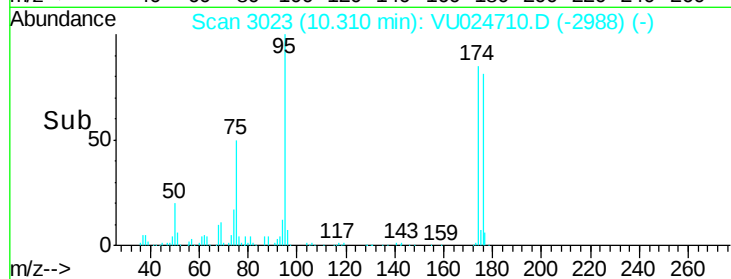
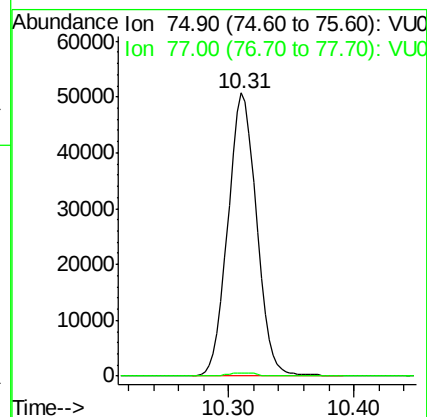
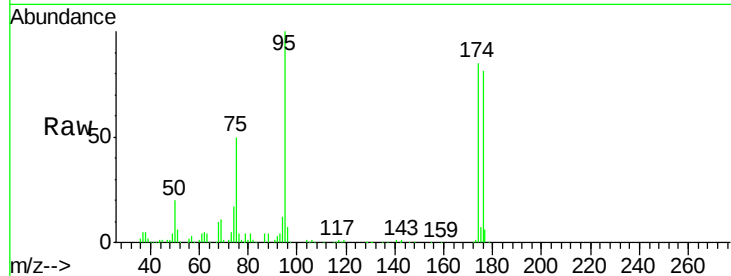
VU0618WBL02

Tgt Ion: 75 Resp: 80483

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.872 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024710.D

Acq: 18 Jun 2018 23:29

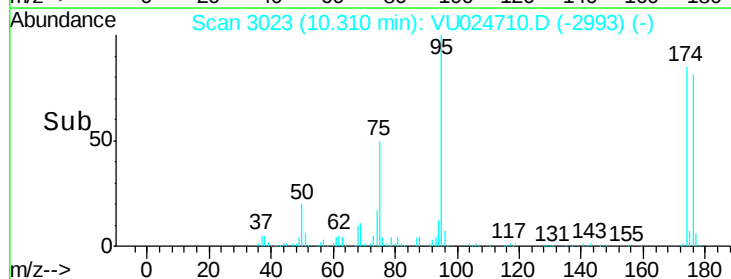
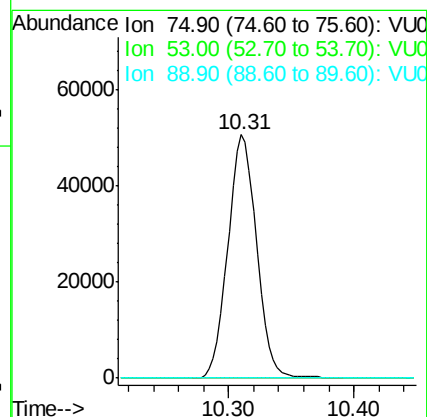
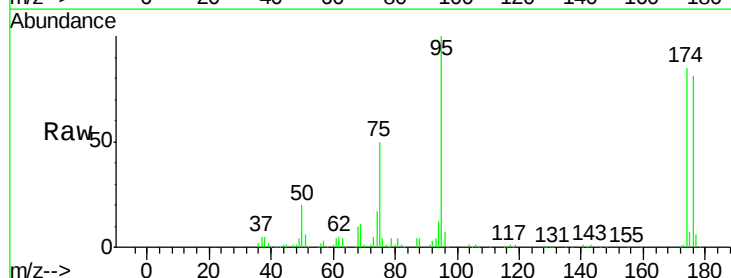
Tgt Ion: 75 Resp: 80483

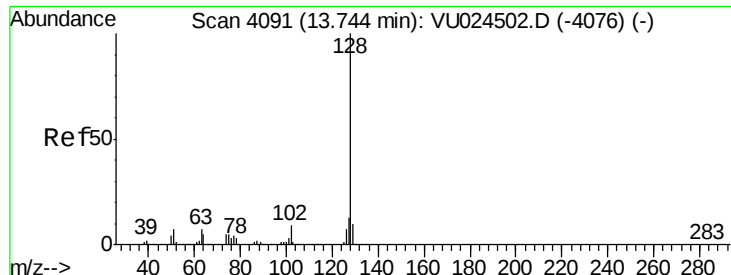
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.818 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024710.D

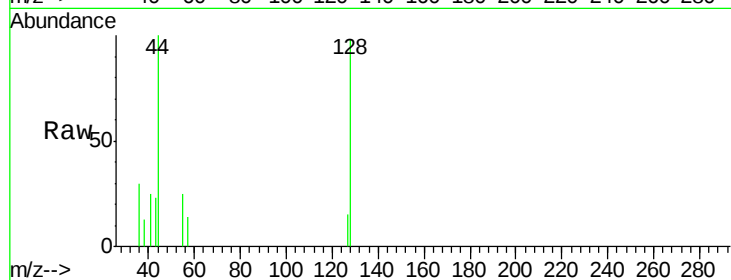
Acq: 18 Jun 2018 23:29

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBL02



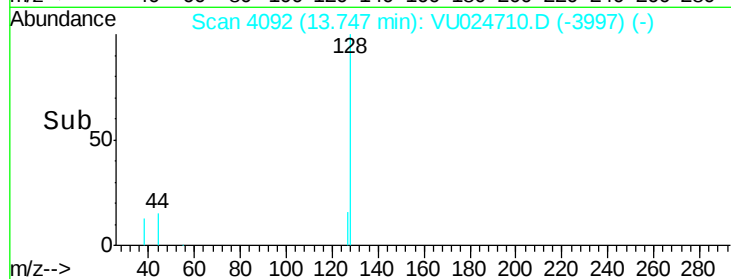
Tgt Ion:128 Resp: 1571

Ion Ratio Lower Upper

128 100

127 6.1 10.6 16.0#

129 3.4 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

