

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024848.D
 Acq On : 22 Jun 2018 21:51
 Operator : MD/SY
 Sample : J3668-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 23 02:16:33 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	197634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299307	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147970	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	142186	44.07	ug/l	0.00
Spiked Amount			Recovery	=	88.14%	
35) Dibromofluoromethane	4.89	113	115116	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
50) Toluene-d8	7.57	98	429622	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	10.31	95	158612	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

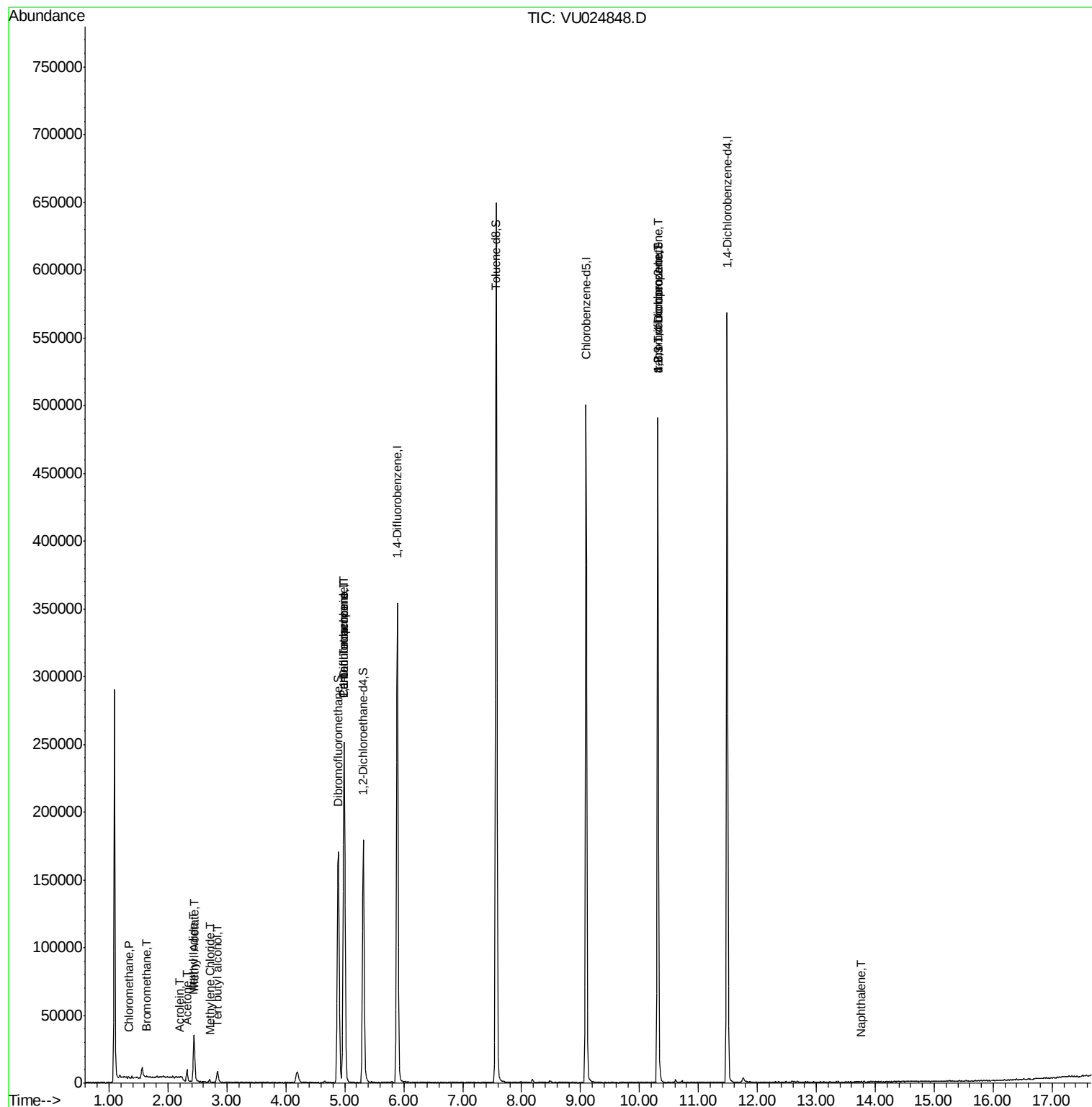
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	669	0.26	ug/l #	80
5) Bromomethane	1.64	94	509	0.40	ug/l #	63
6) Chloroethane	1.70	64	47	Below Cal	#	43
10) Methyl Iodide	2.43	142	266	5.40	ug/l #	40
11) Tert butyl alcohol	2.84	59	4547	5.79	ug/l #	73
13) Acrolein	2.19	56	108	0.26	ug/l #	40
16) Acetone	2.32	43	8979	5.18	ug/l	98
18) Methyl Acetate	2.44	43	8372	2.25	ug/l #	53
20) Methylene Chloride	2.71	84	890	0.33	ug/l	94
31) Cyclohexane	4.99	56	4441	Below Cal	#	32
36) 1,1-Dichloropropene	4.99	75	14449	4.11	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18339	4.74	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	82241	25.24	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	82241	58.43	ug/l #	100
95) Naphthalene	13.75	128	40	0.68	ug/l #	69

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

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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

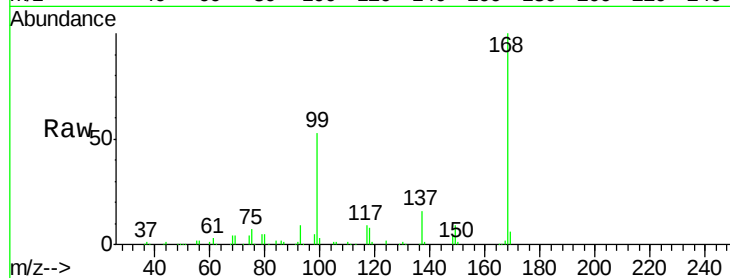
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 197634

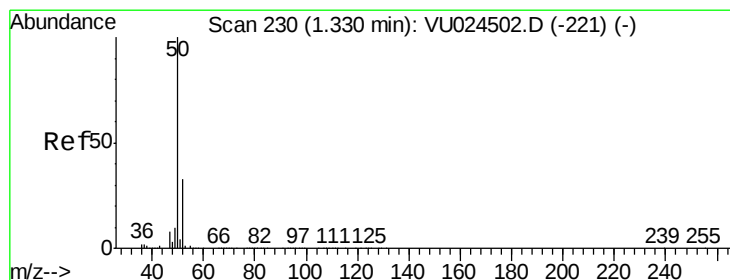
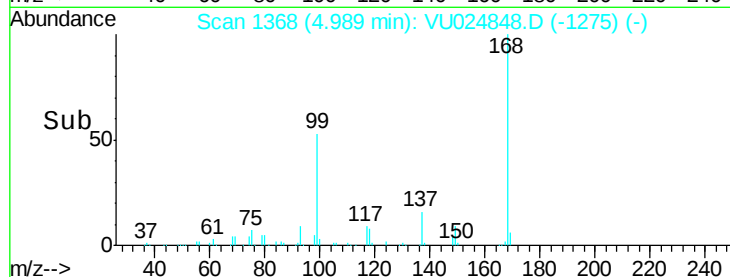
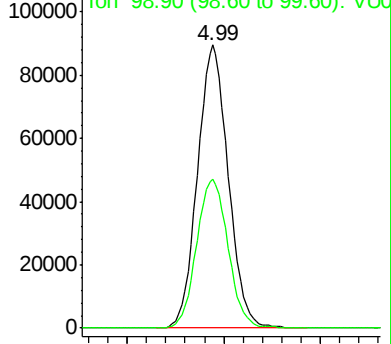
Ion Ratio Lower Upper

168 100

99 52.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024848.D

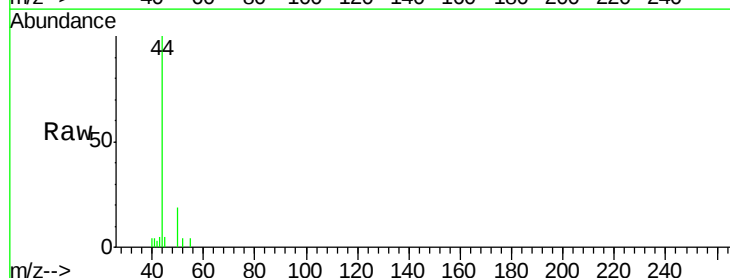
Acq: 22 Jun 2018 21:51

Tgt Ion: 50 Resp: 669

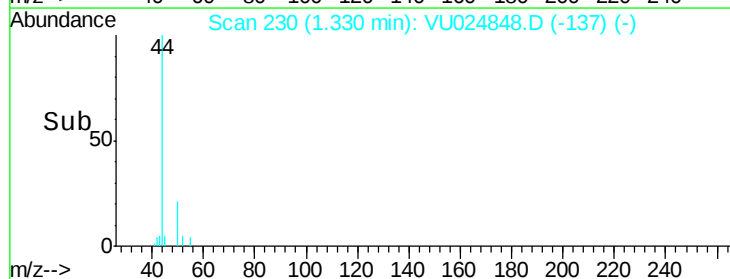
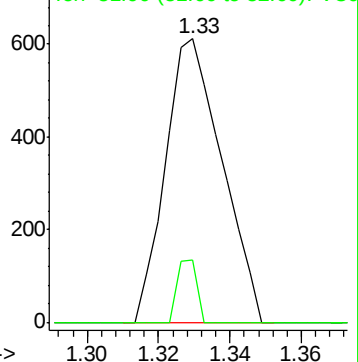
Ion Ratio Lower Upper

50 100

52 21.9 26.4 39.6#



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





#5

Bromomethane

Concen: 0.40 ug/l

RT: 1.64 min Scan# 327

Delta R.T. 0.02 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

Instrument :

MSVOA_U

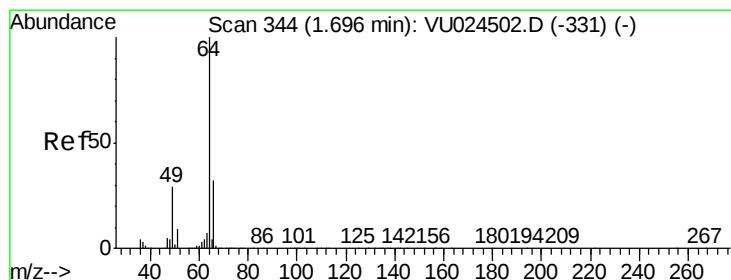
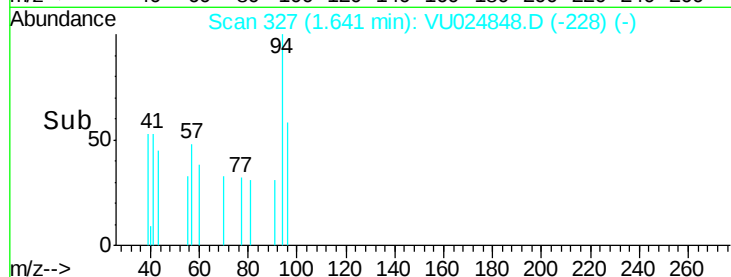
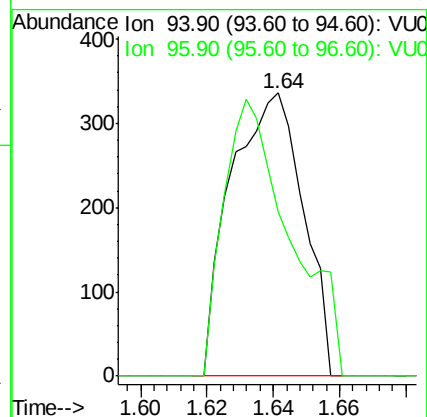
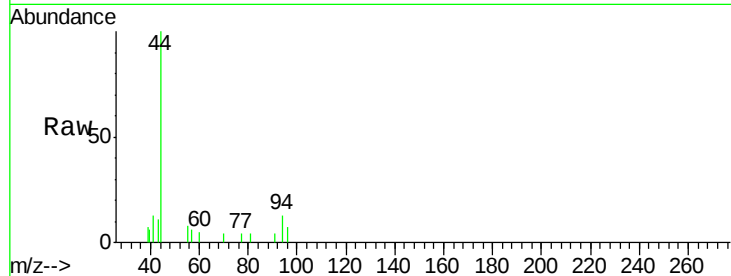
ClientSampleId :

Tot Ion: 94 Resp: 509

Ion Ratio Lower Upper

94 100

96 58.0 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024848.D

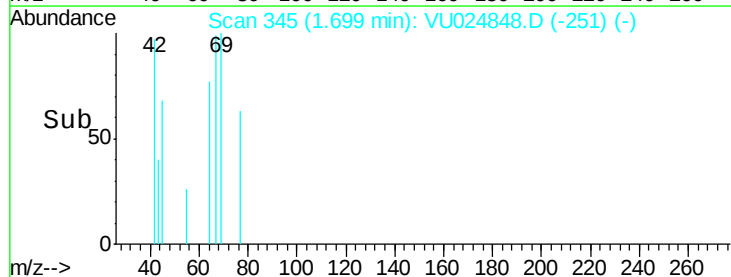
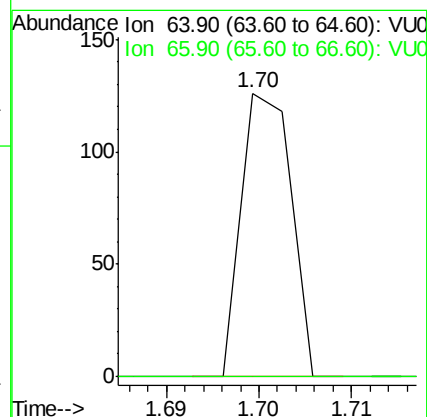
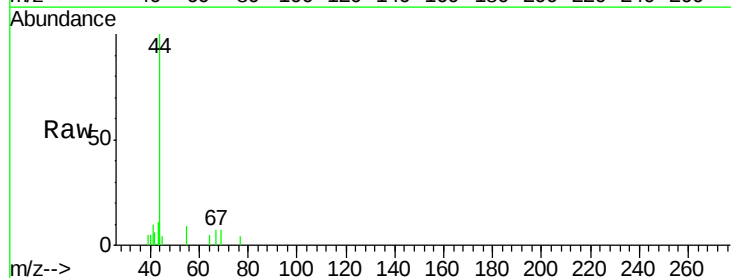
Acq: 22 Jun 2018 21:51

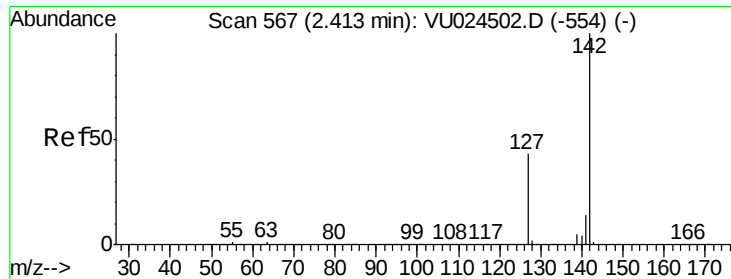
Tgt Ion: 64 Resp: 47

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

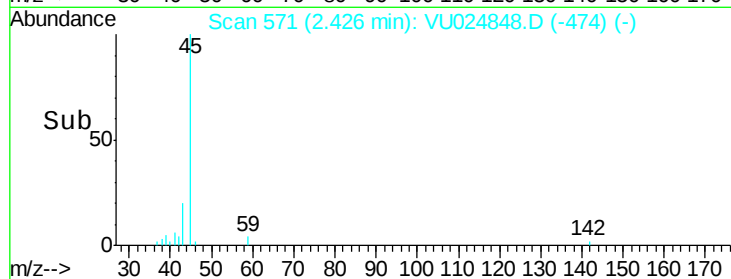
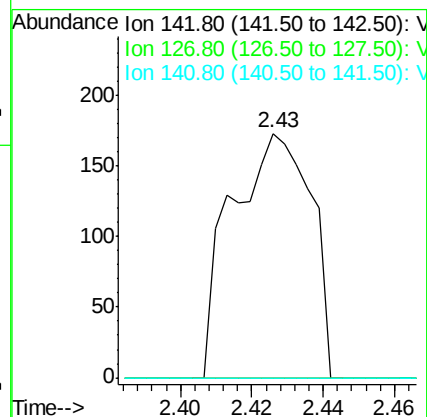
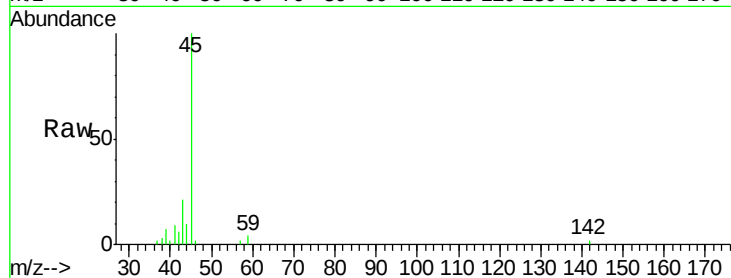




#10
Methvl Iodide
Concen: 5.40 ug/l
RT: 2.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

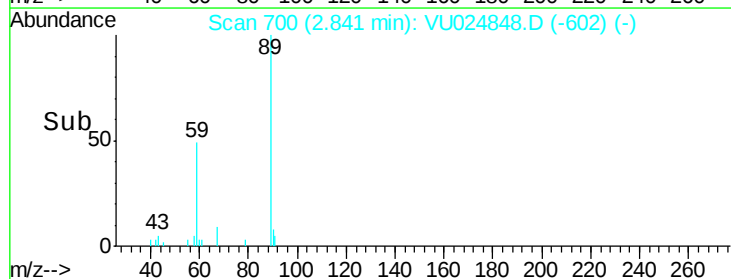
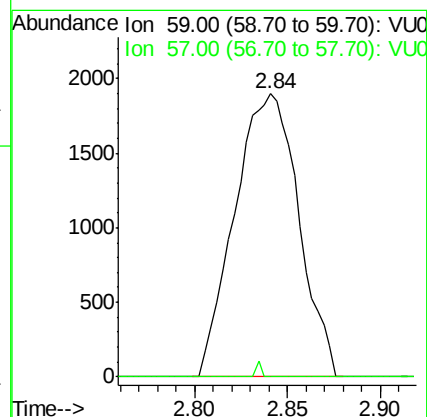
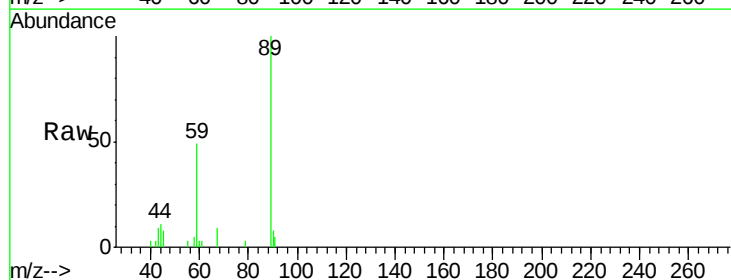
Instrument :
MSVOA_U
ClientSampleId :

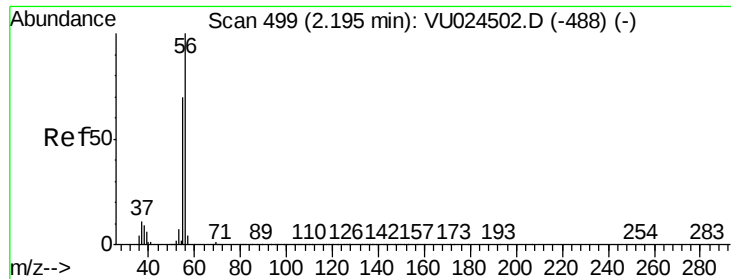
Tot Ion:142 Resp: 266
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 5.79 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Tgt Ion: 59 Resp: 4547
Ion Ratio Lower Upper
59 100
57 0.5 8.5 12.7#

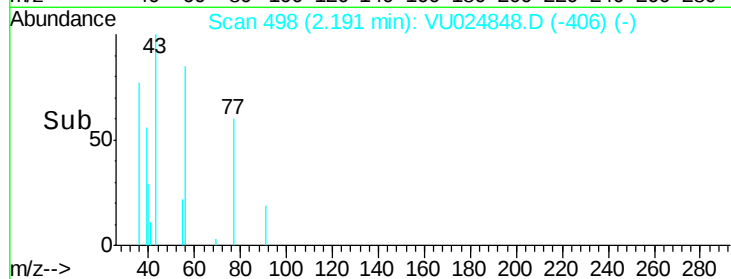
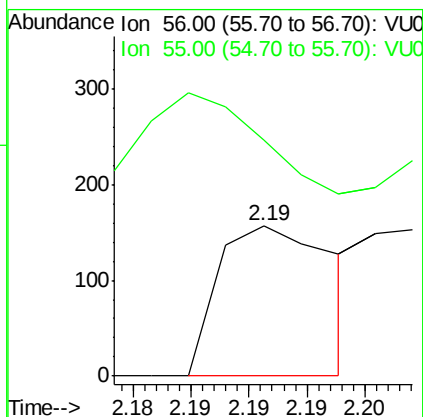
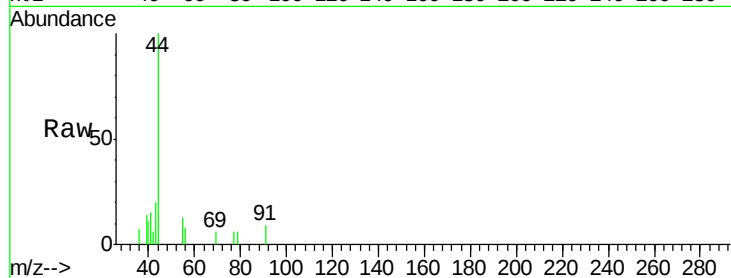




#13
Acrolein
Concen: 0.26 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

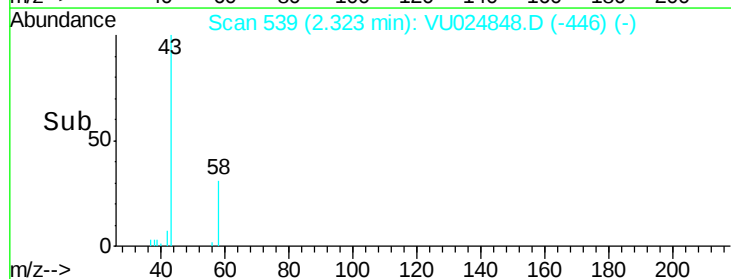
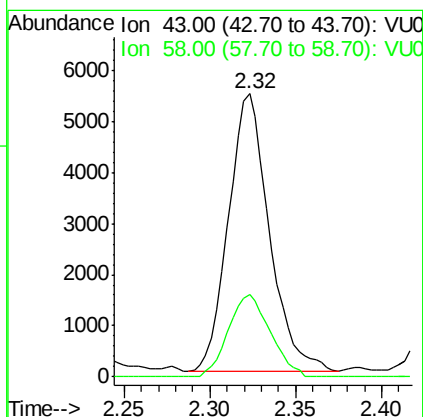
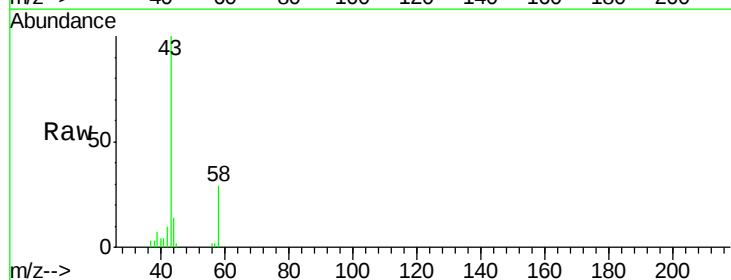
Instrument :
MSVOA_U
ClientSampled :

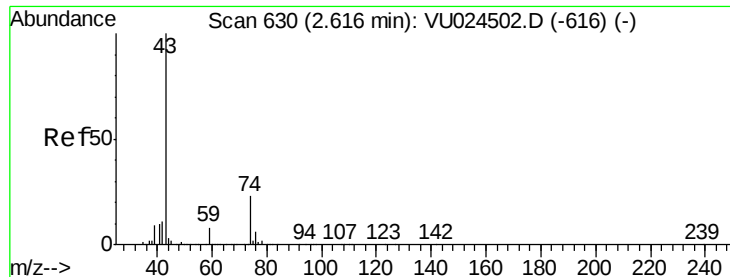
Tot Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 123.1 58.4 87.6#



#16
Acetone
Concen: 5.18 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Tgt Ion: 43 Resp: 8979
Ion Ratio Lower Upper
43 100
58 29.6 24.4 36.6

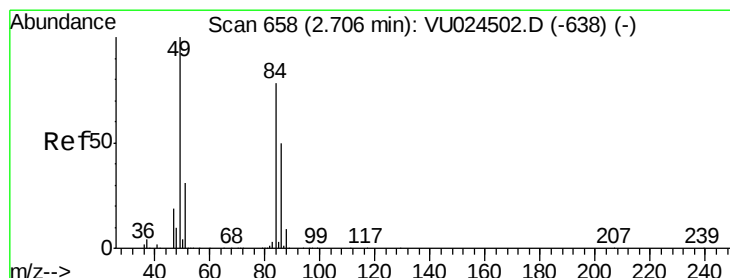
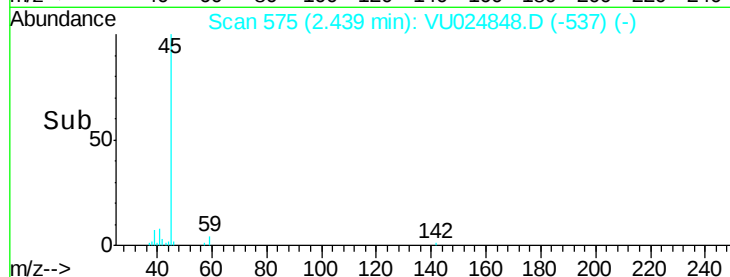
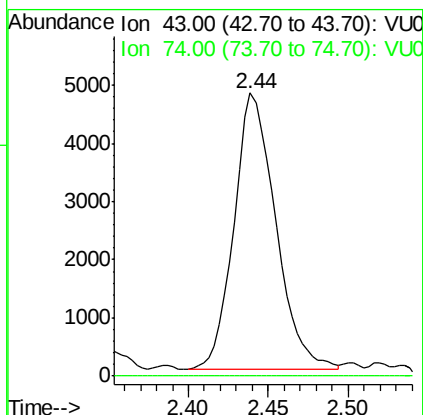
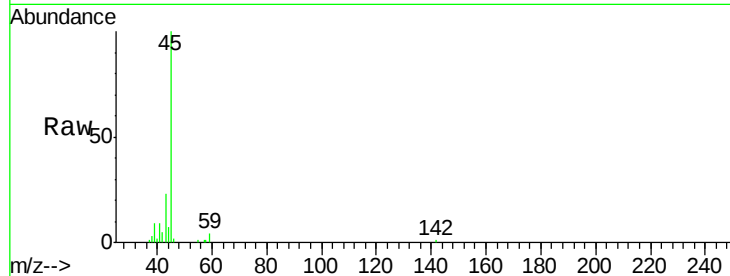




#18
Methvl Acetate
Concen: 2.25 ug/l
RT: 2.44 min Scan# 575
Delta R.T. -0.18 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

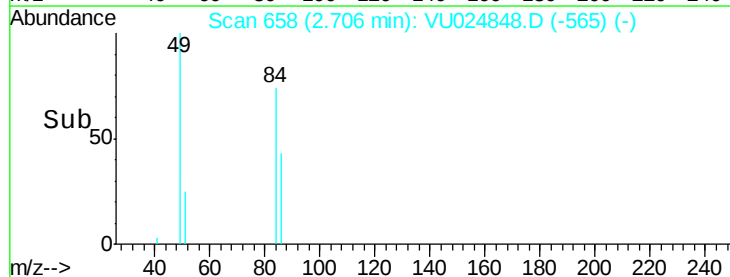
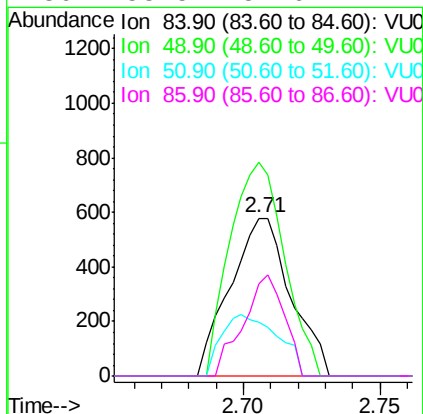
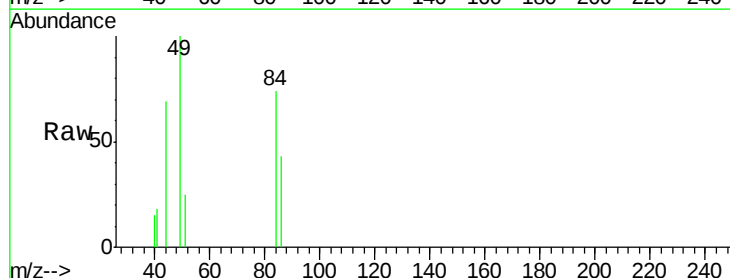
Instrument :
MSVOA_U
ClientSampled :

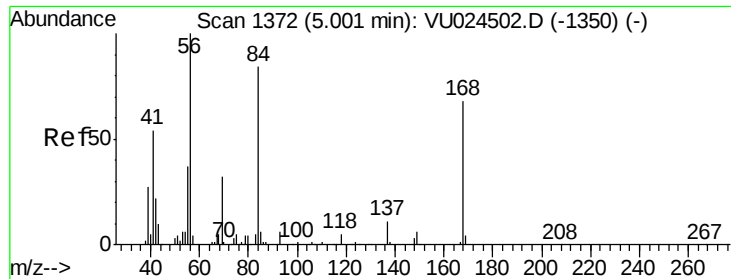
Tot Ion: 43 Resp: 8372
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Tgt Ion: 84 Resp: 890
Ion Ratio Lower Upper
84 100
49 135.5 103.8 155.8
51 34.3 32.0 48.0
86 58.5 51.6 77.4

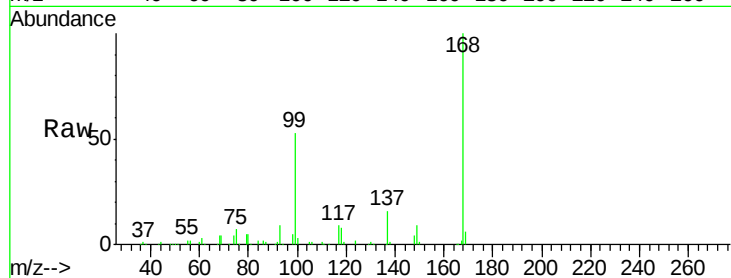




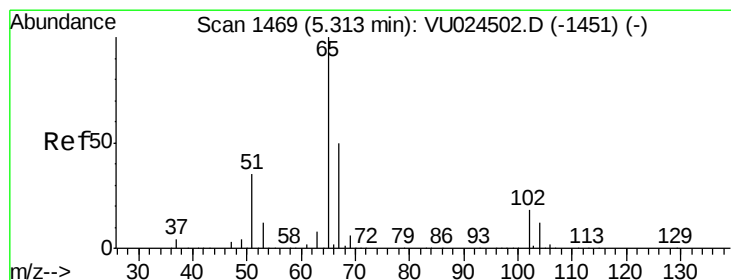
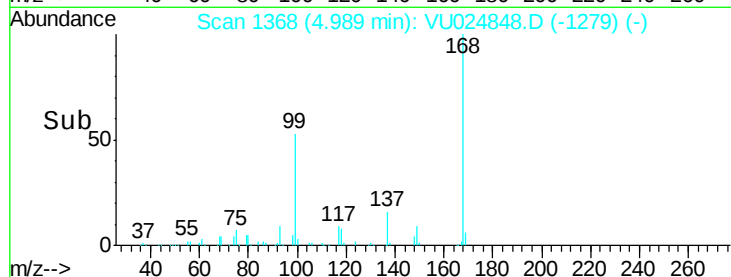
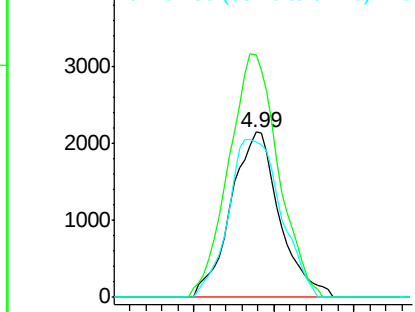
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 4441
Ion Ratio Lower Upper
56 100
69 146.3 24.8 37.2#
84 94.1 65.2 97.8

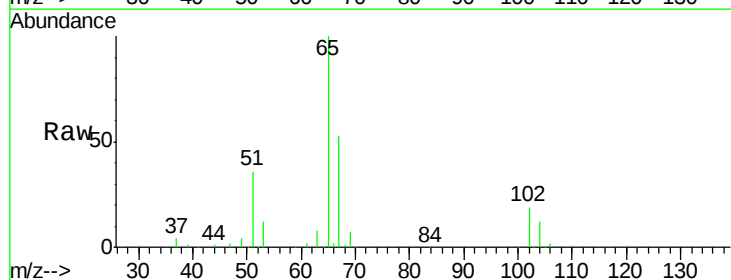


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

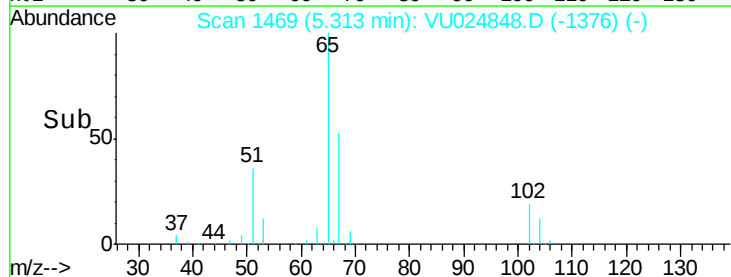
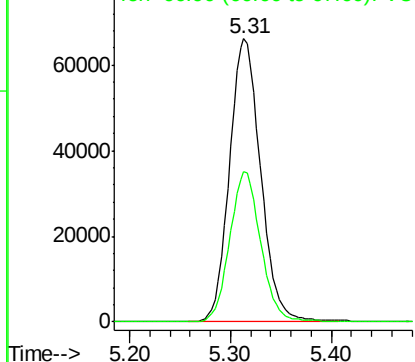


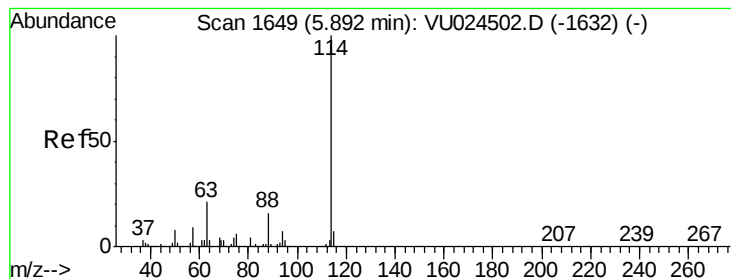
#33
1,2-Dichloroethane-d4
Concen: 44.07 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Tgt Ion: 65 Resp: 142186
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

Instrument :

MSVOA_U

ClientSampleId :

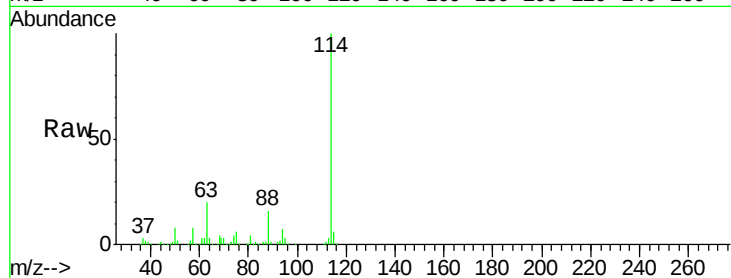
Tot Ion:114 Resp: 299307

Ion Ratio Lower Upper

114 100

63 20.2 0.0 45.4

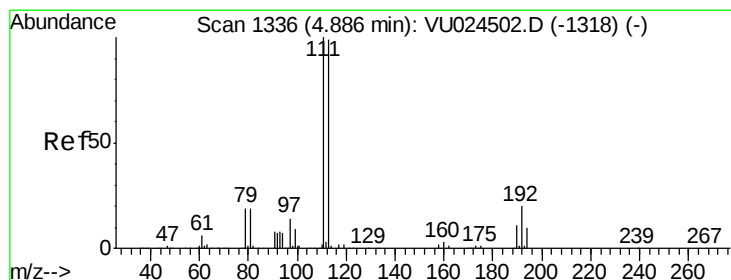
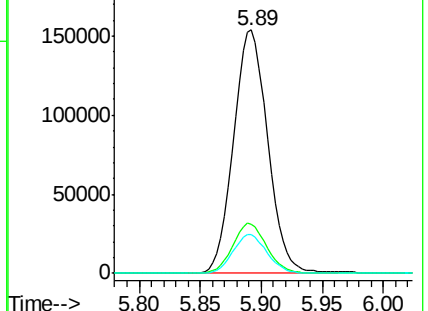
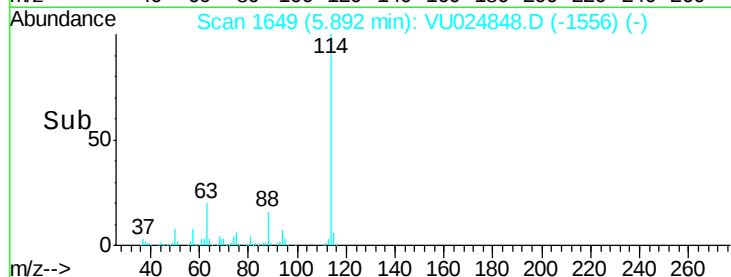
88 15.9 0.0 31.0



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: 46.34 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

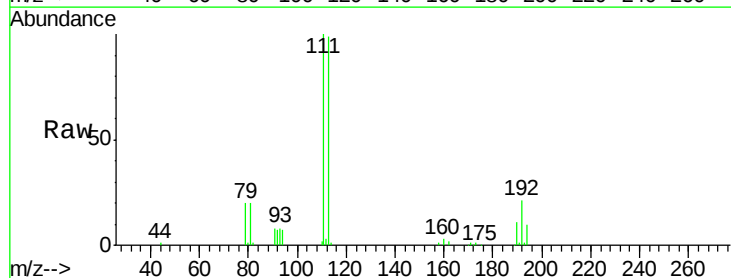
Tgt Ion:113 Resp: 115116

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

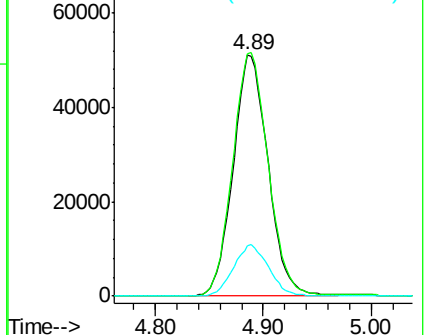
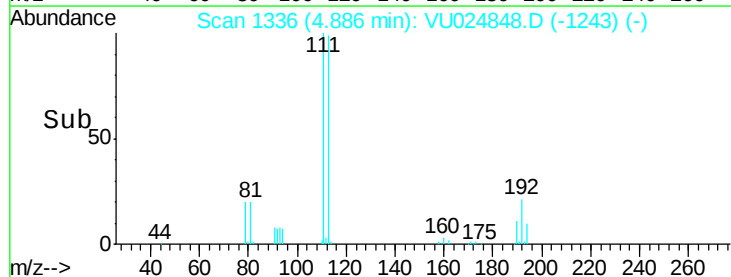
192 21.3 16.2 24.4

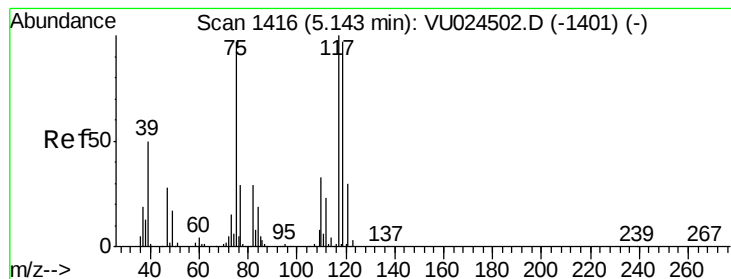


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.11 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

Instrument :

MSVOA_U

ClientSampleId :

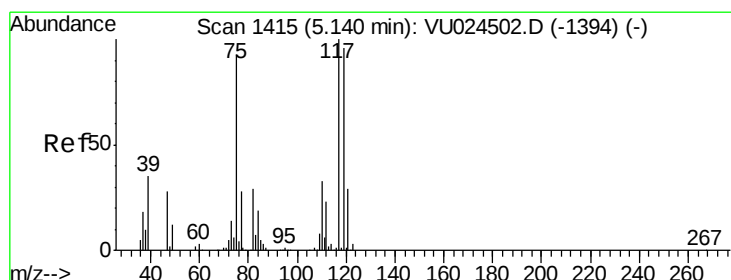
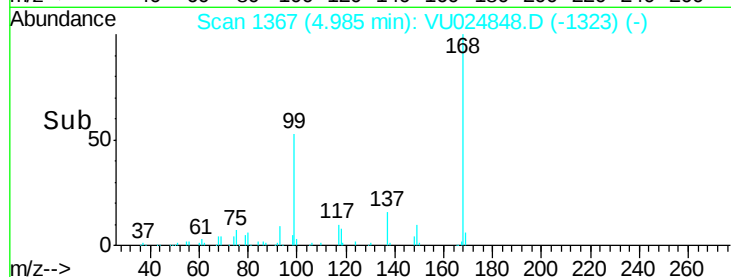
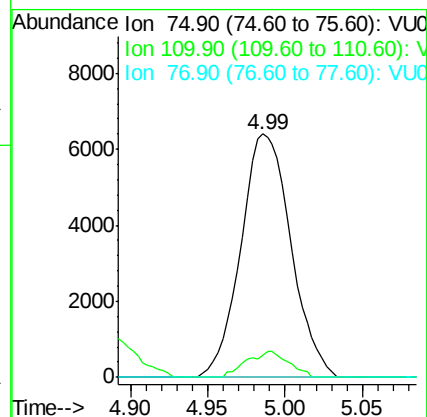
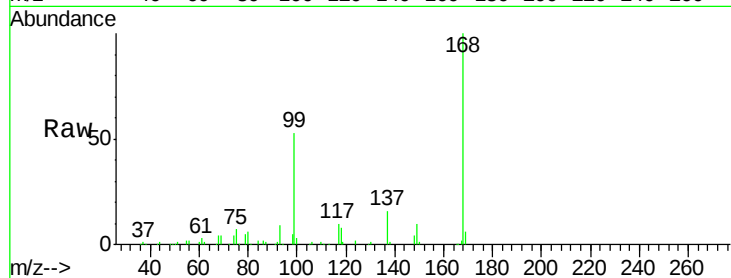
Tot Ion: 75 Resp: 14449

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

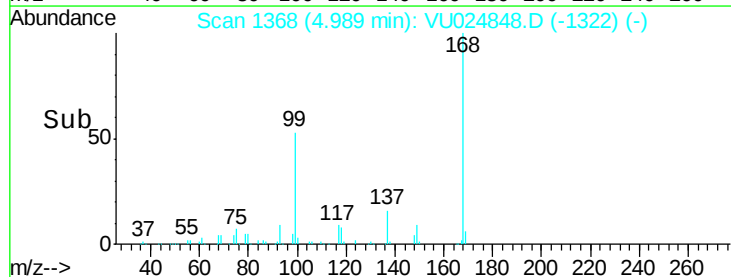
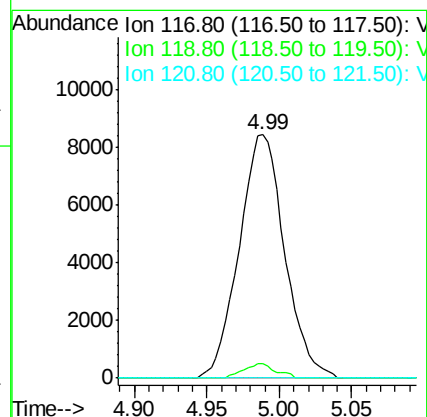
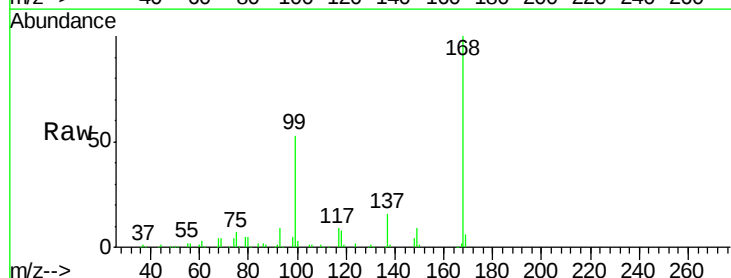
Tgt Ion: 117 Resp: 18339

Ion Ratio Lower Upper

117 100

119 5.8 76.1 114.1#

121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 47.42 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

Instrument :

MSVOA_U

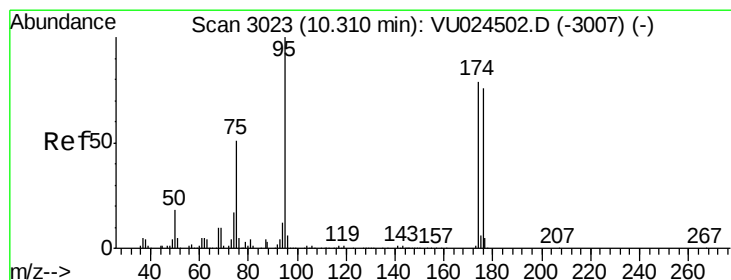
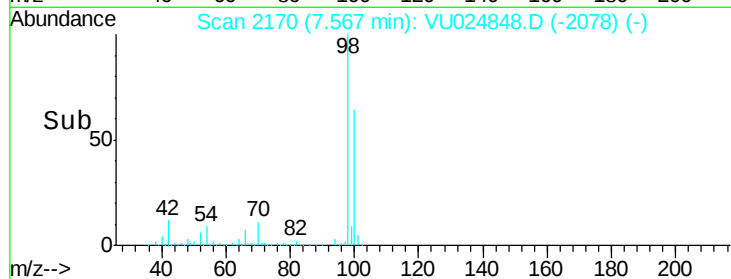
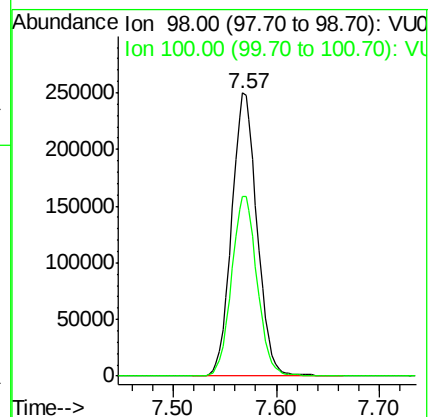
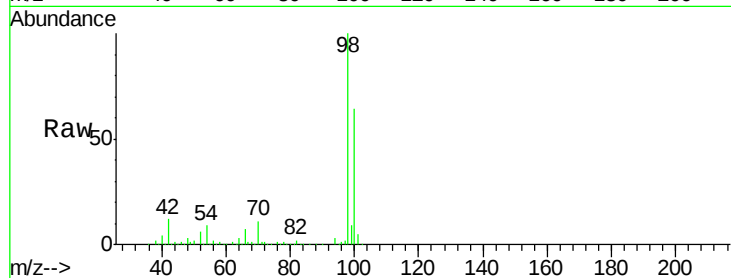
ClientSampled :

Tot Ion: 98 Resp: 429622

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 44.09 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

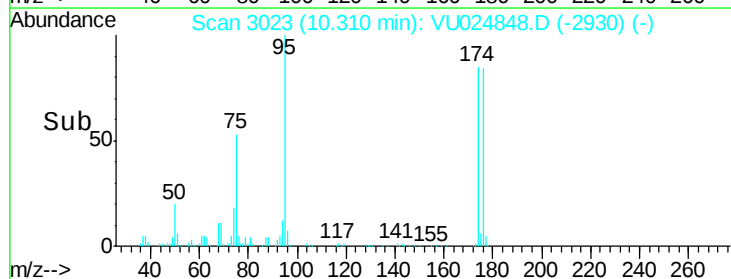
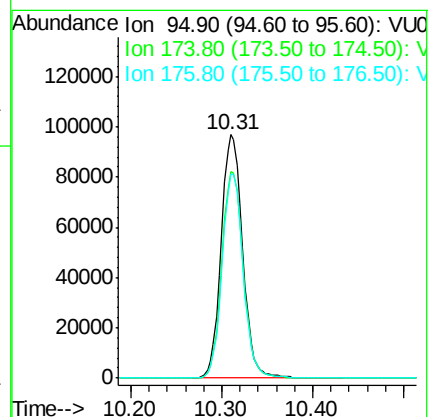
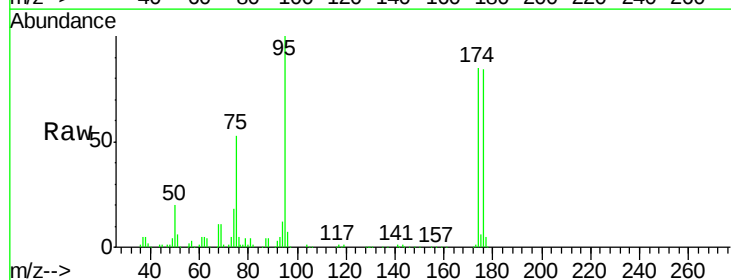
Tgt Ion: 95 Resp: 158612

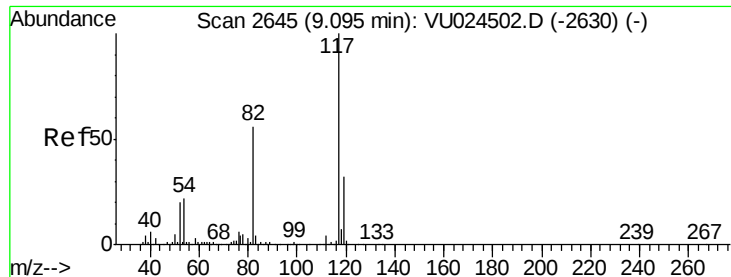
Ion Ratio Lower Upper

95 100

174 84.9 0.0 165.8

176 82.6 0.0 159.4

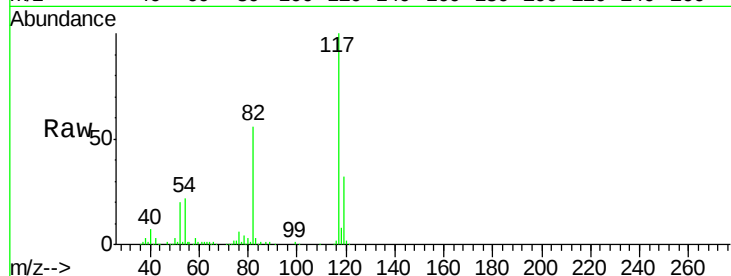




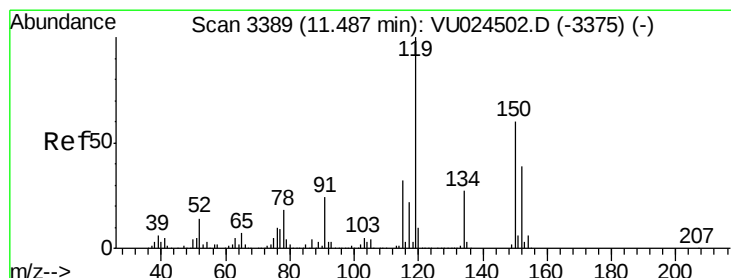
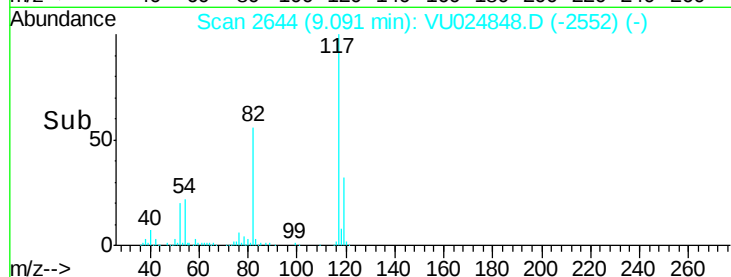
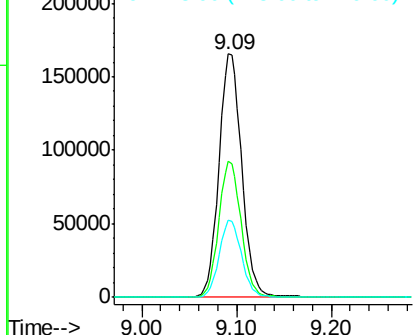
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Instrument :
MSVOA_U
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.3	66.5
119	31.5	25.4	38.2

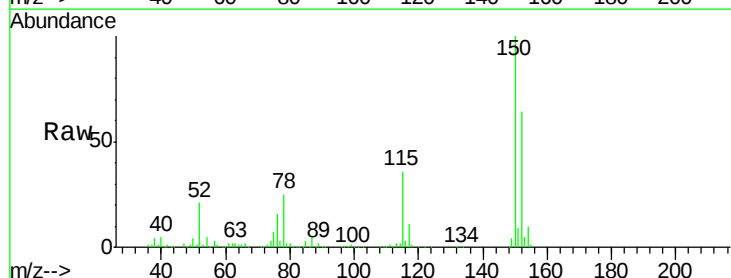


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

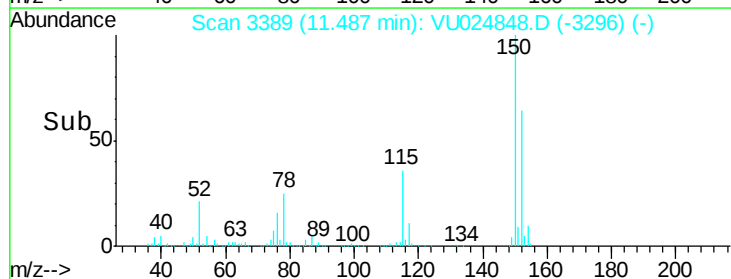
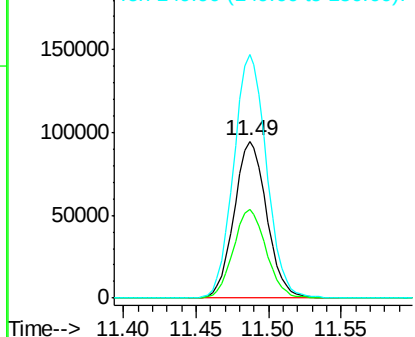


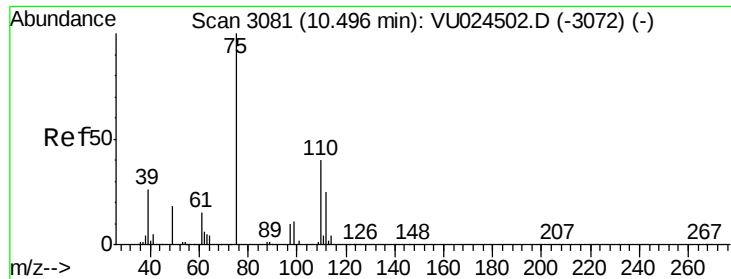
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024848.D
Acq: 22 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	43.0	129.0
150	157.3	0.0	354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.24 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

Instrument :

MSVOA_U

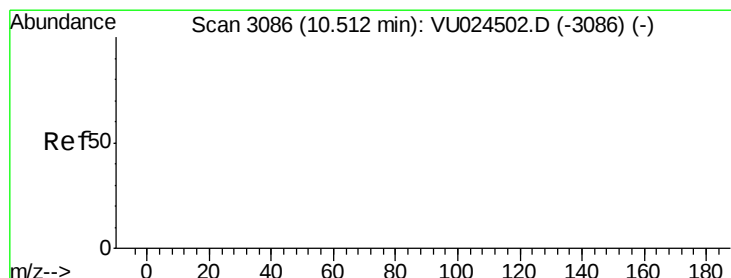
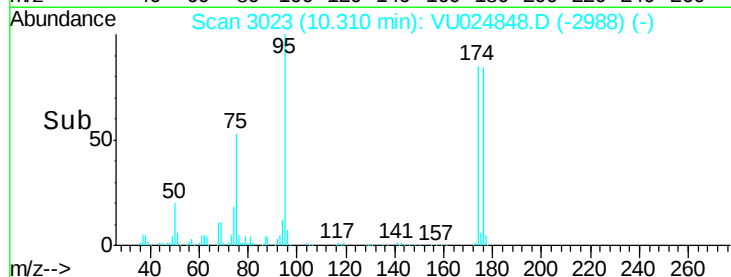
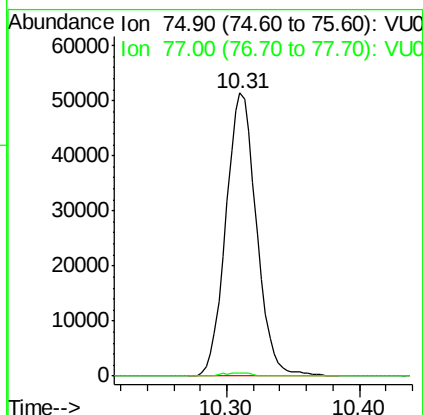
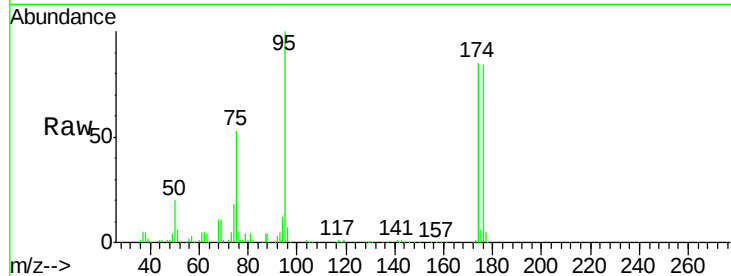
ClientSampleId :

Tot Ion: 75 Resp: 82241

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.43 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

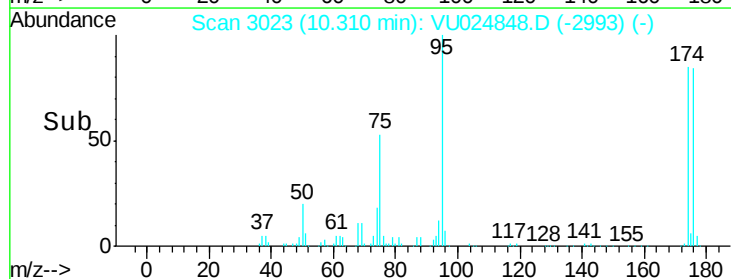
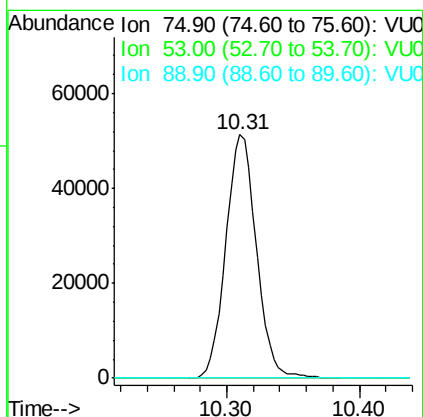
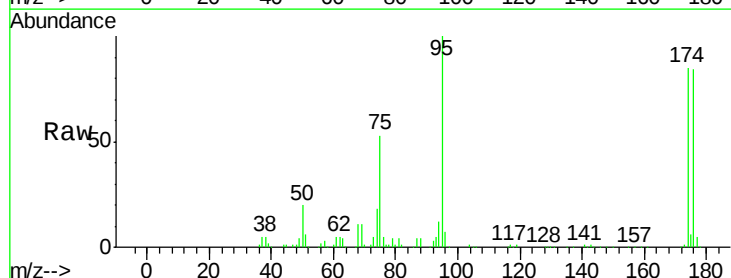
Tgt Ion: 75 Resp: 82241

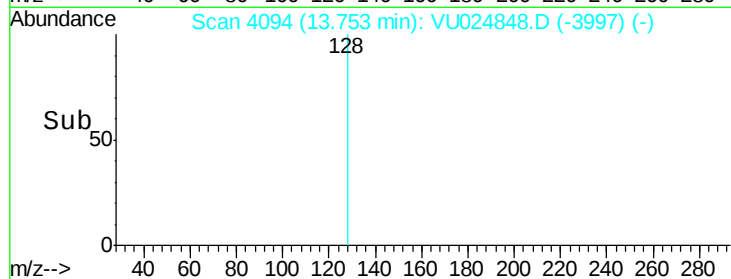
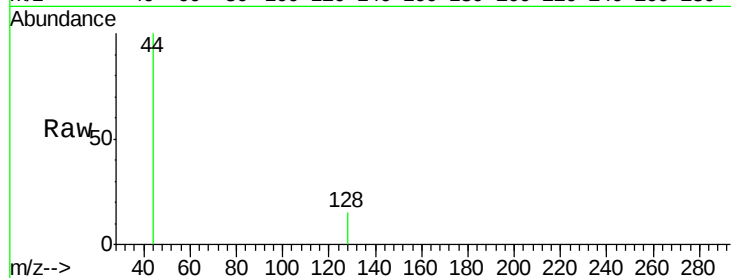
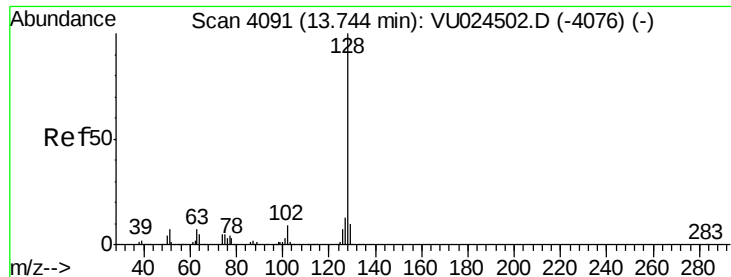
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU024848.D

Acq: 22 Jun 2018 21:51

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128	Resp:	40
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.6 12.8#

