

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024561.D
 Acq On : 15 Jun 2018 00:13
 Operator : MD/SY
 Sample : J3478-16
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 01:46:38 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

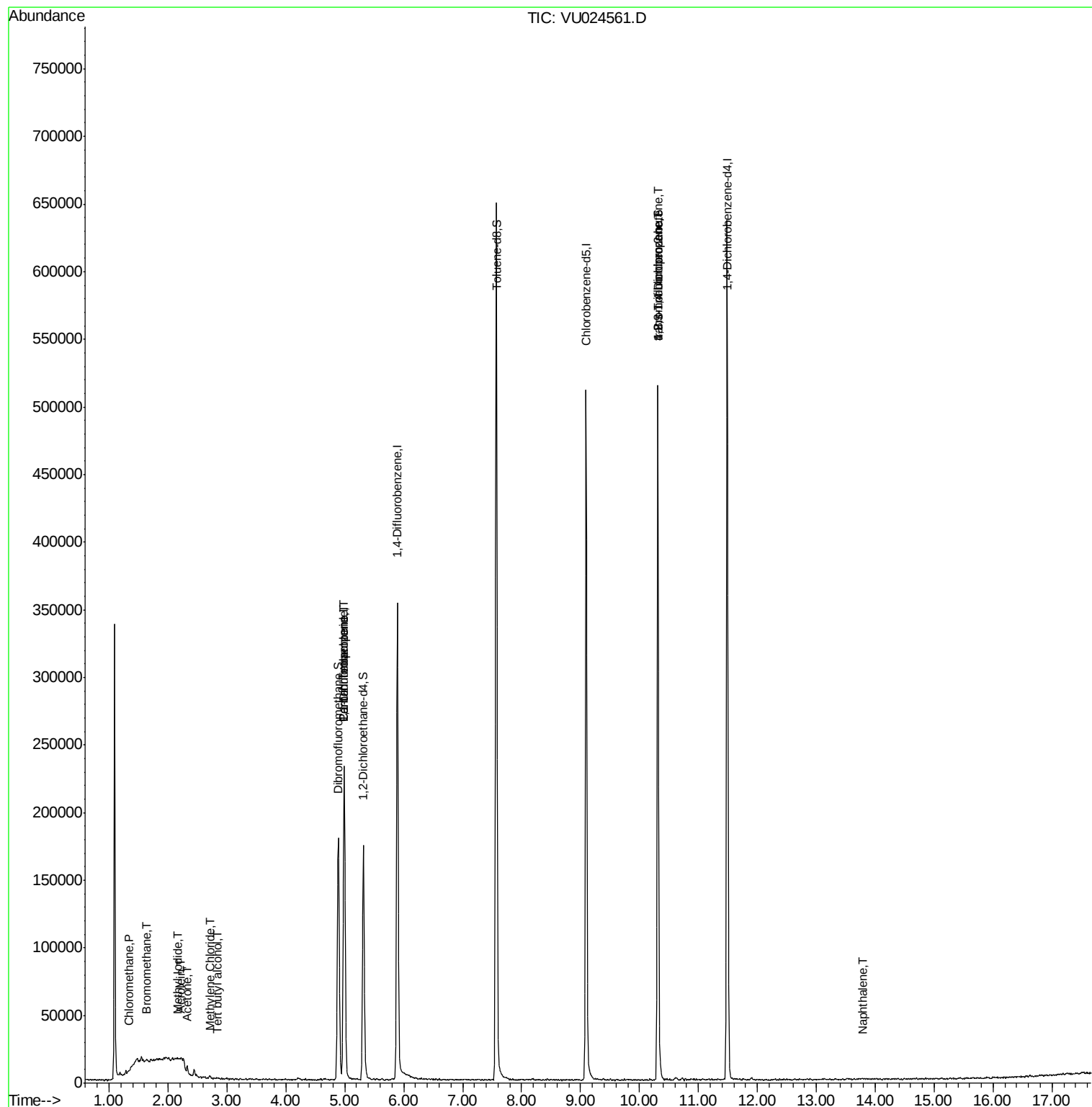
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309008	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175137	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	135553	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	
35) Dibromofluoromethane	4.89	113	122391	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
50) Toluene-d8	7.57	98	455444	48.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	10.31	95	171719	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	478	0.203	ug/l	96
5) Bromomethane	1.63	94	504	0.429	ug/l #	17
6) Chloroethane	1.71	64	237	Below Cal	#	55
8) Diethyl Ether	2.15	74	40	Below Cal	#	1
10) Methyl Iodide	2.18	142	19	5.297	ug/l #	1
11) Tert butyl alcohol	2.83	59	159	0.218	ug/l #	81
13) Acrolein	2.21	56	245	0.638	ug/l #	13
16) Acetone	2.32	43	5012	3.104	ug/l #	87
20) Methylene Chloride	2.71	84	1009	0.398	ug/l #	73
31) Cyclohexane	4.99	56	4132	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12541	3.454	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17292	4.331	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	86509	22.436	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86509	51.925	ug/l #	100
95) Naphthalene	13.78	128	1094	0.763	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: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

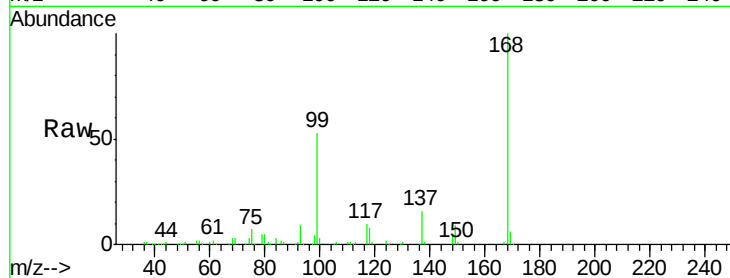
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 184084

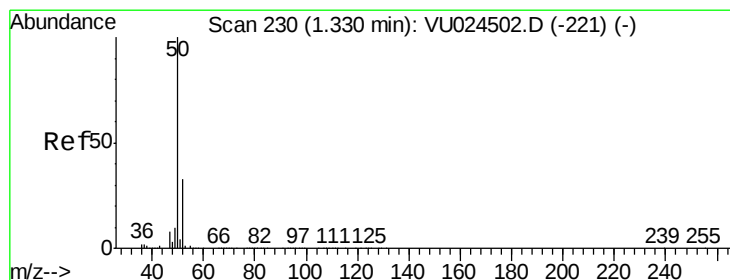
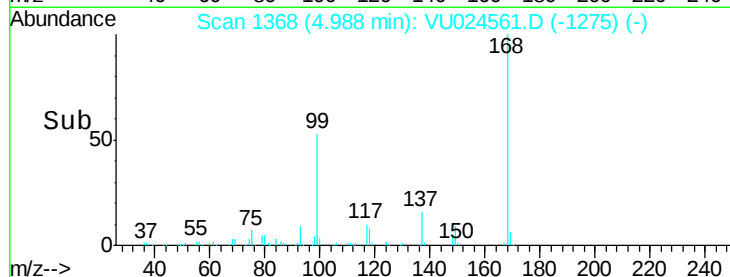
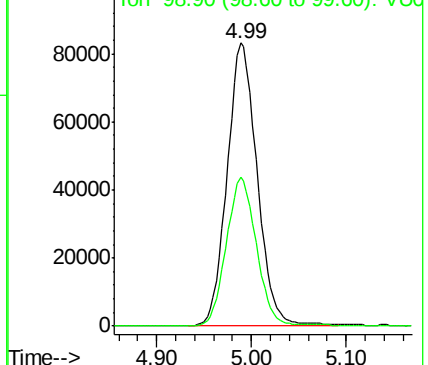
Ion Ratio Lower Upper

168 100

99 52.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.203 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024561.D

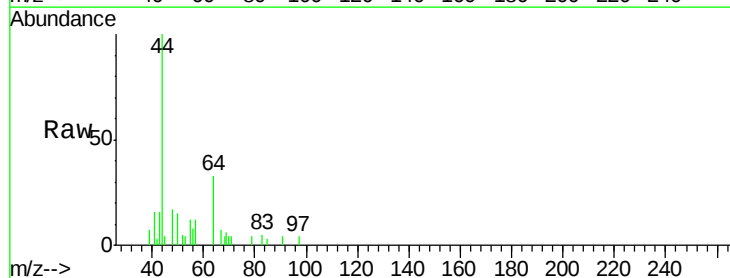
Acq: 15 Jun 2018 00:13

Tgt Ion: 50 Resp: 478

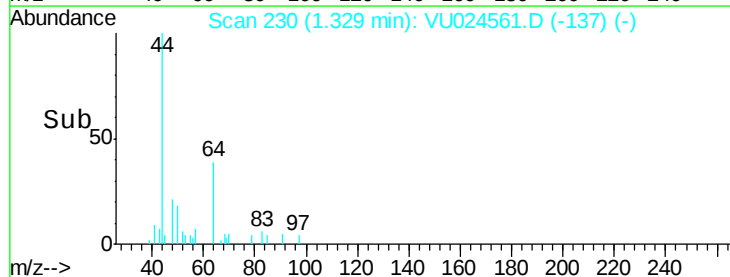
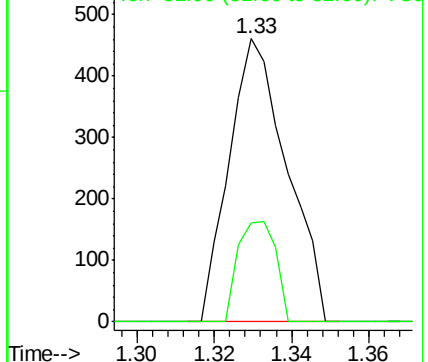
Ion Ratio Lower Upper

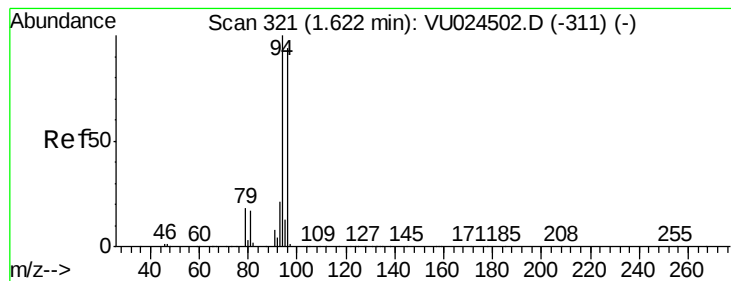
50 100

52 35.1 26.4 39.6



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





#5

Bromomethane

Concen: 0.429 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

Instrument :

MSVOA_U

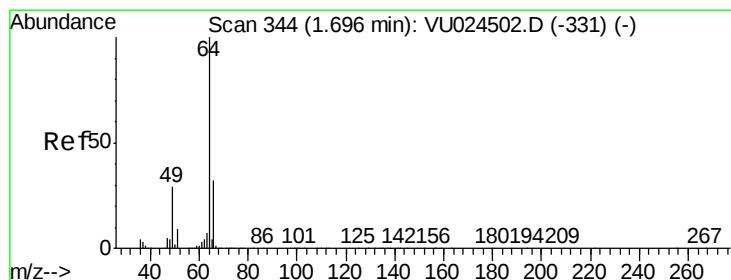
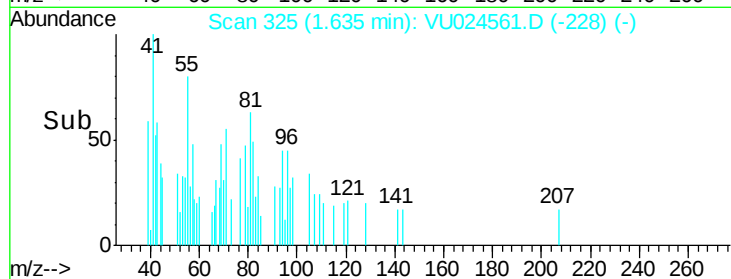
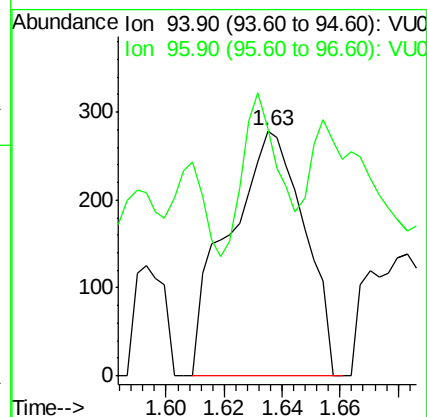
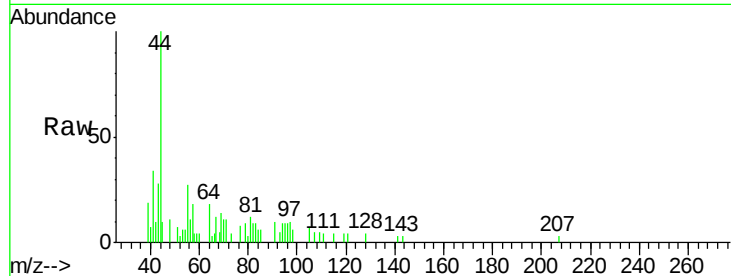
ClientSampleId :

Tot Ion: 94 Resp: 504

Ion Ratio Lower Upper

94 100

96 13.3 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU024561.D

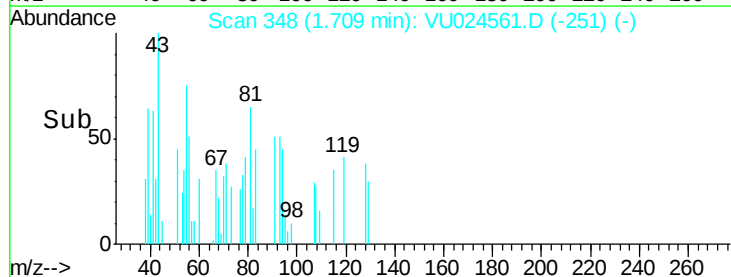
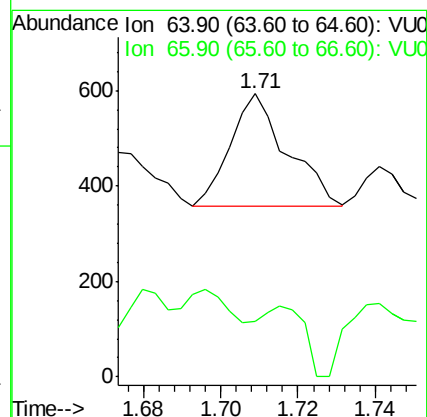
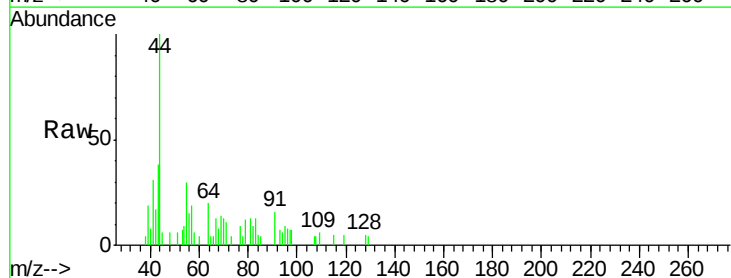
Acq: 15 Jun 2018 00:13

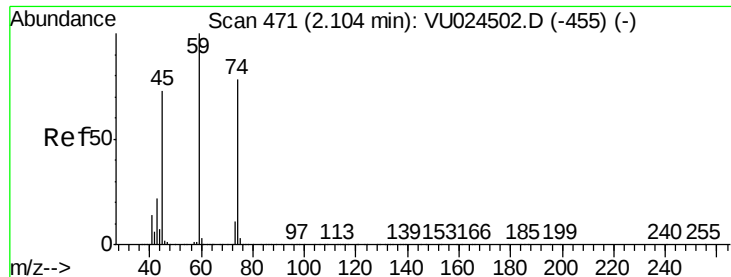
Tgt Ion: 64 Resp: 237

Ion Ratio Lower Upper

64 100

66 6.8 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 2.15 min Scan# 485

Delta R.T. 0.05 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

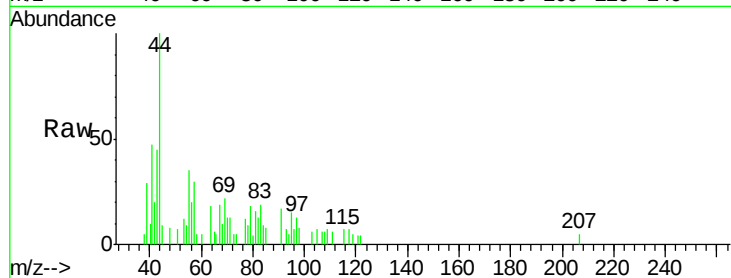
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 74 Resp: 40

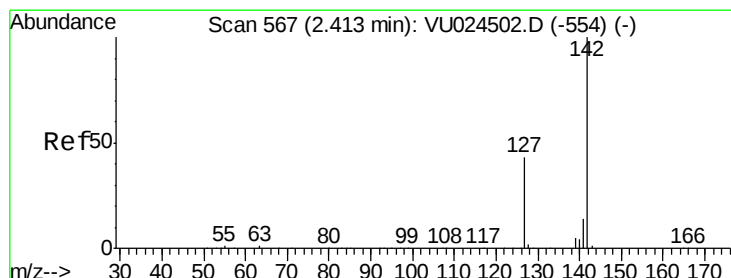
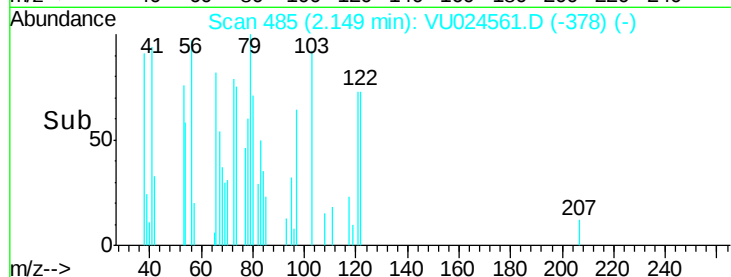
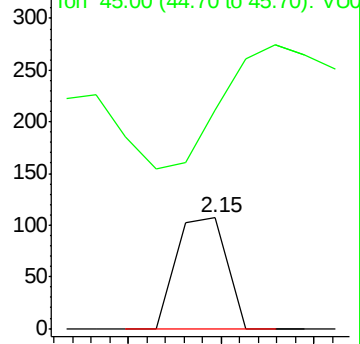
Ion Ratio Lower Upper

74 100

45 390.0 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU024502.D (-455) (-)



#10

Methyl Iodide

Concen: 5.297 ug/l

RT: 2.18 min Scan# 494

Delta R.T. -0.23 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

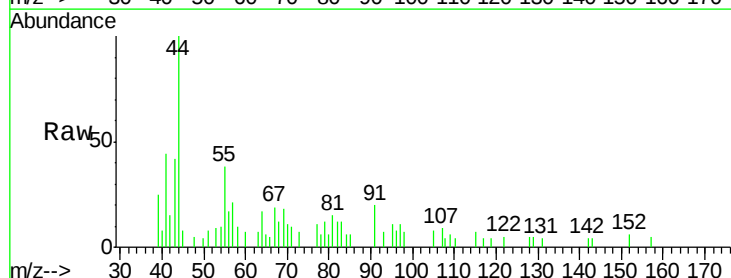
Tgt Ion: 142 Resp: 19

Ion Ratio Lower Upper

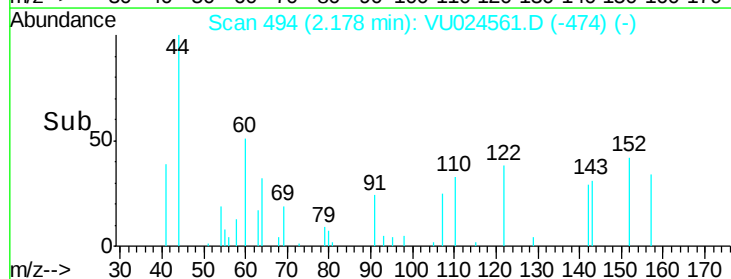
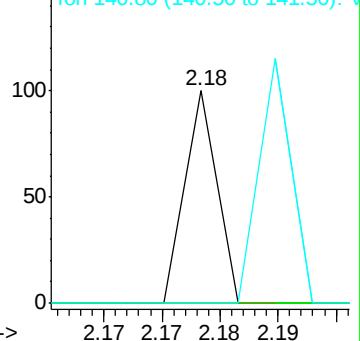
142 100

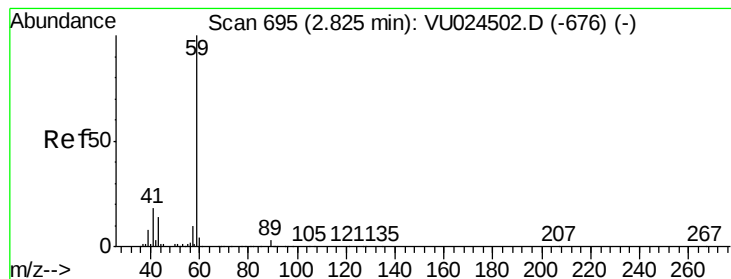
127 0.0 35.6 53.4#

141 115.8 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024502.D (-554) (-)



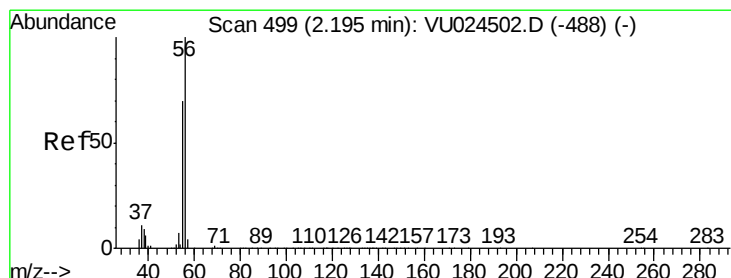
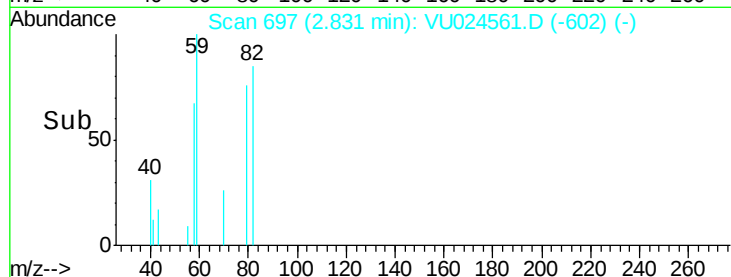
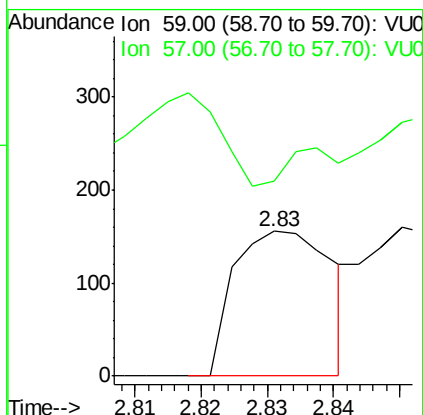
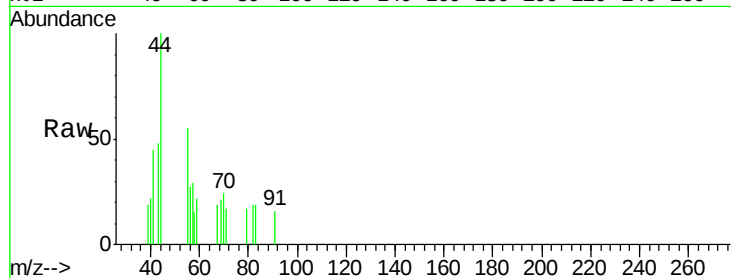


#11

Tert butyl alcohol
Concen: 0.218 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

Instrument :
MSVOA_U
ClientSampled :

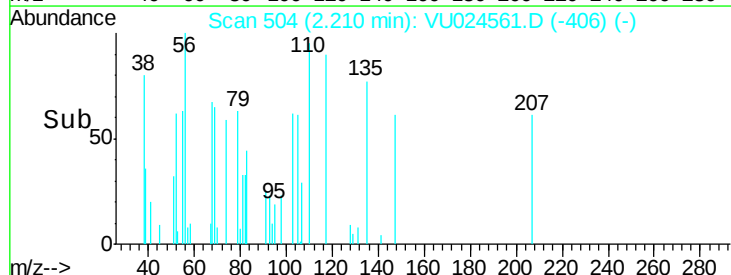
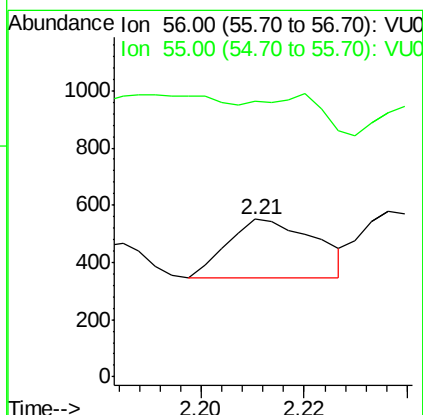
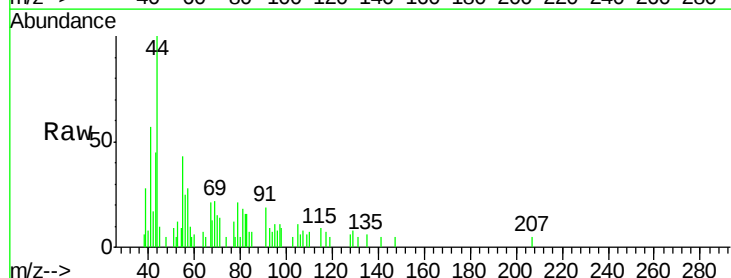
Tot Ion: 59 Resp: 159
Ion Ratio Lower Upper
59 100
57 17.6 8.5 12.7#

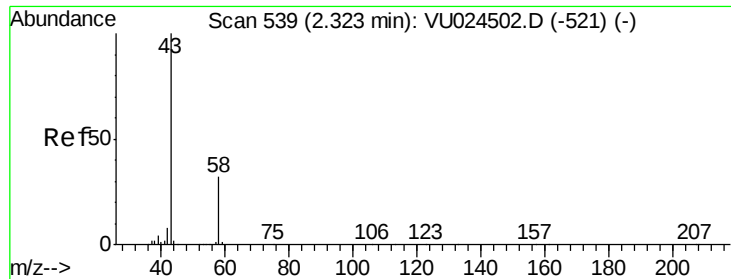


#13

Acrolein
Concen: 0.638 ug/l
RT: 2.21 min Scan# 504
Delta R.T. 0.02 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#





#16

Acetone

Concen: 3.104 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

Instrument :

MSVOA_U

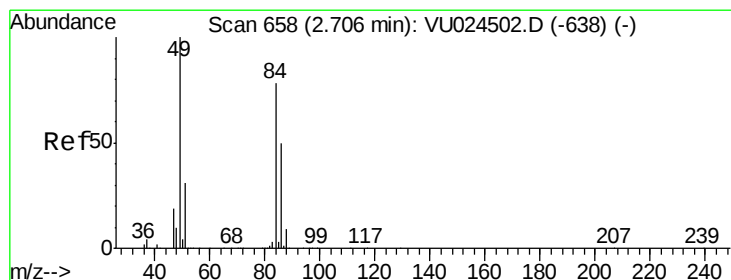
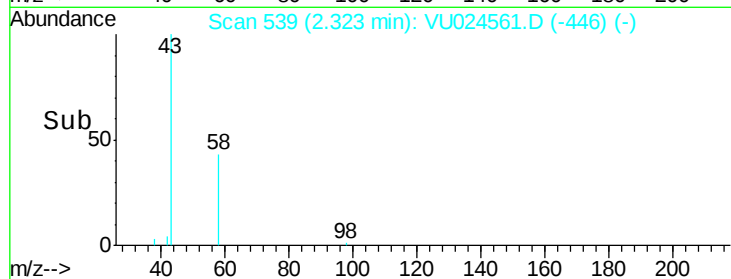
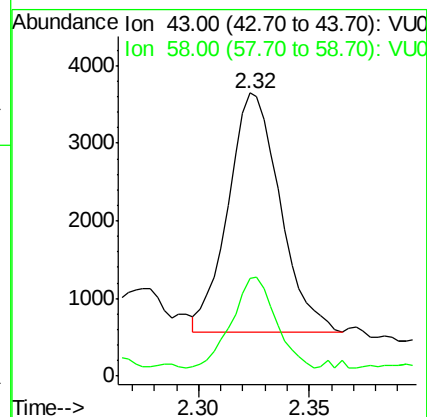
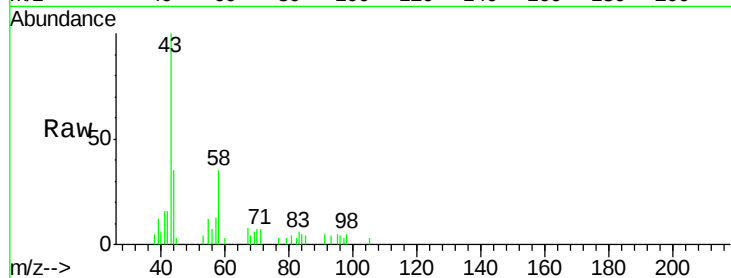
ClientSampleId :

Tot Ion: 43 Resp: 5012

Ion Ratio Lower Upper

43 100

58 37.4 24.4 36.6#



#20

Methylene Chloride

Concen: 0.398 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.01 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

Tgt Ion: 84 Resp: 1009

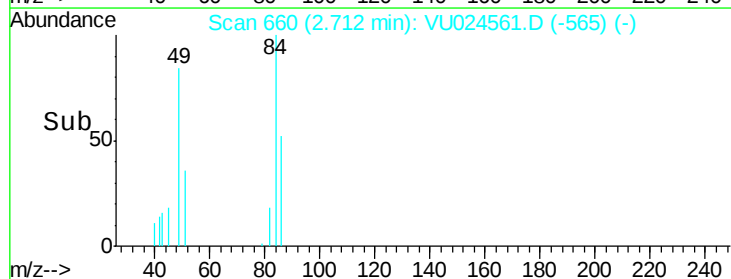
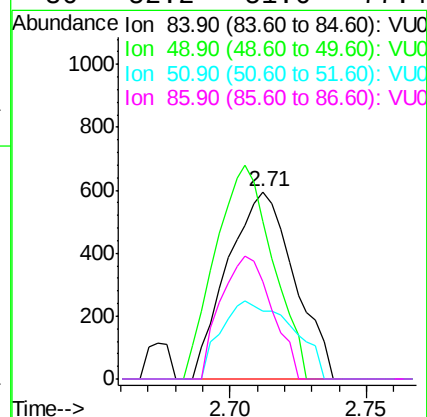
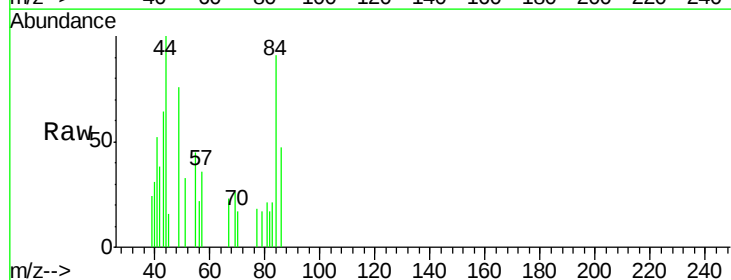
Ion Ratio Lower Upper

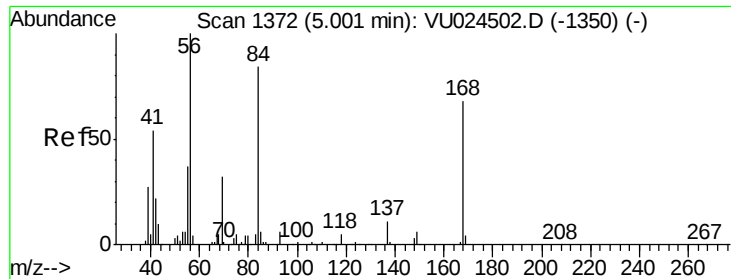
84 100

49 83.7 103.8 155.8#

51 36.2 32.0 48.0

86 52.2 51.6 77.4

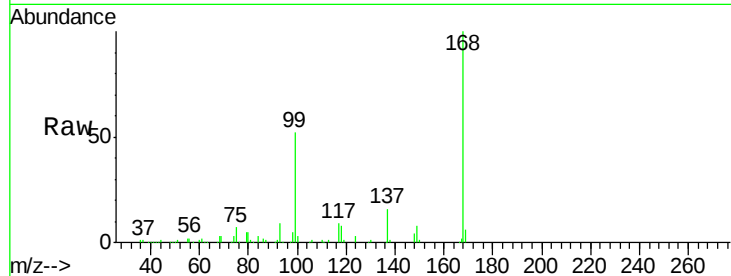




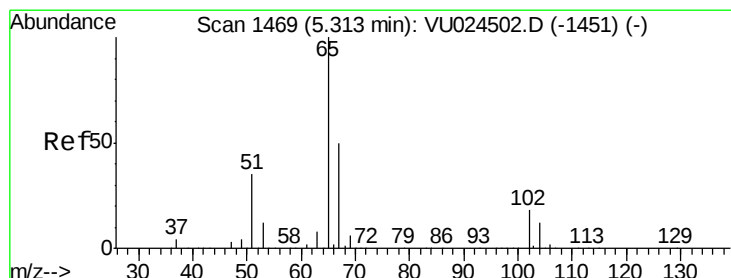
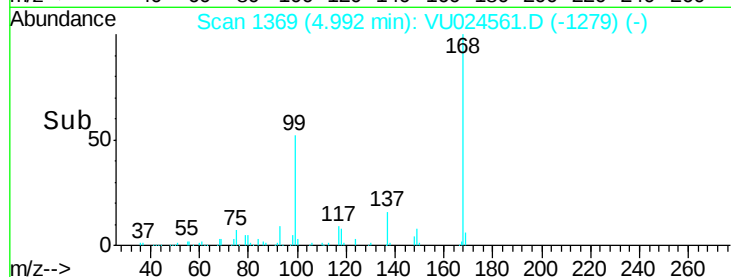
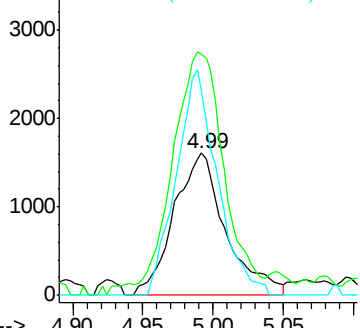
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 56 Resp: 4132
Ion Ratio Lower Upper
56 100
69 162.3 24.8 37.2#
84 144.5 65.2 97.8#

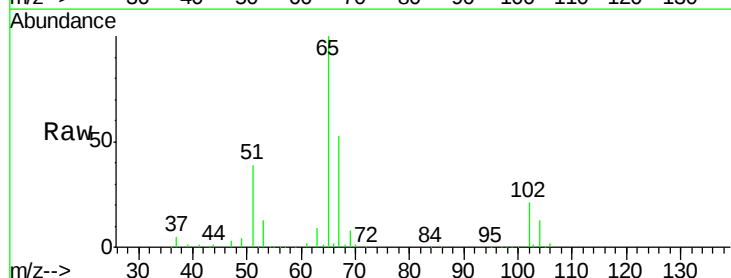


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

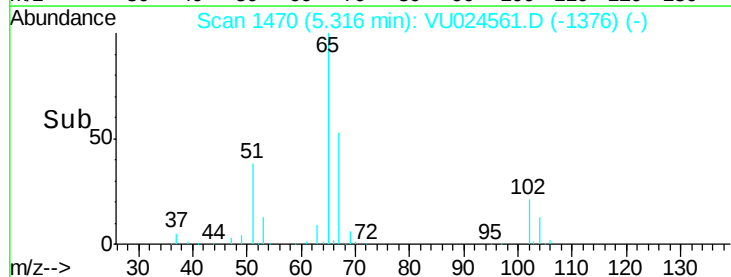
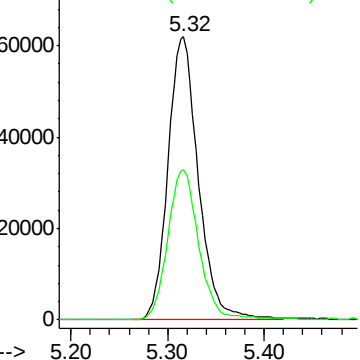


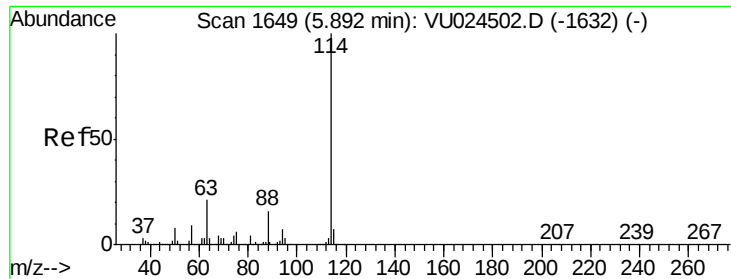
#33
1,2-Dichloroethane-d4
Concen: 45.106 ug/l
RT: 5.32 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

Tgt Ion: 65 Resp: 135553
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.0



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

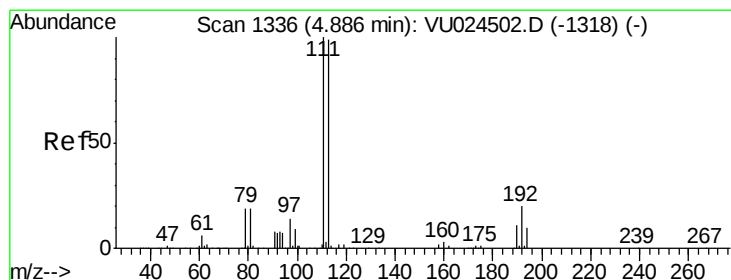
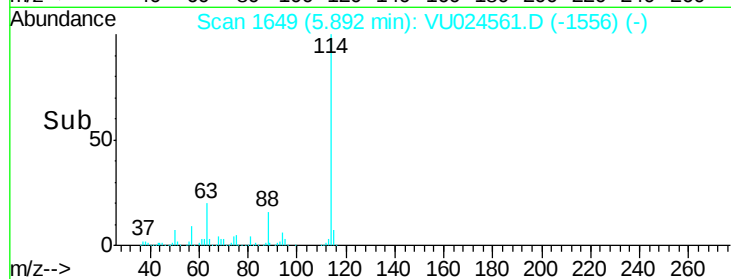
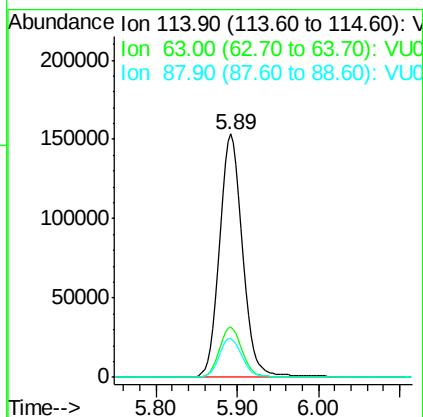
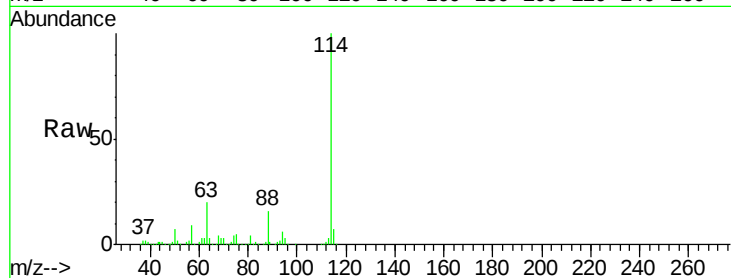




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024561.D
 Acq: 15 Jun 2018 00:13

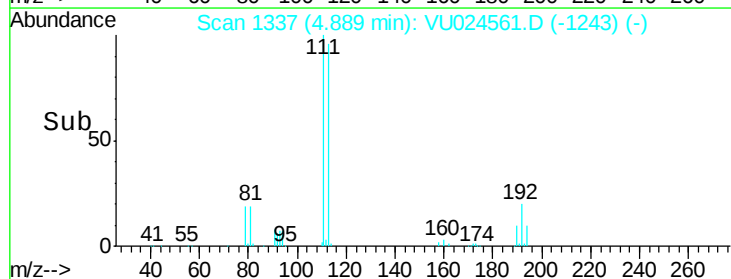
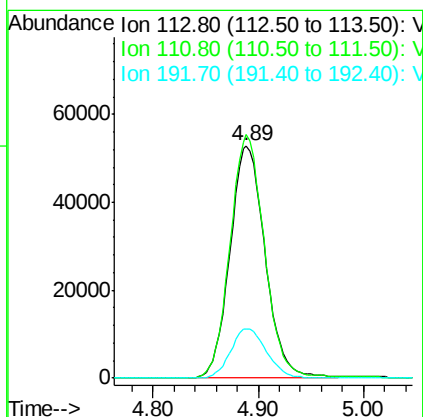
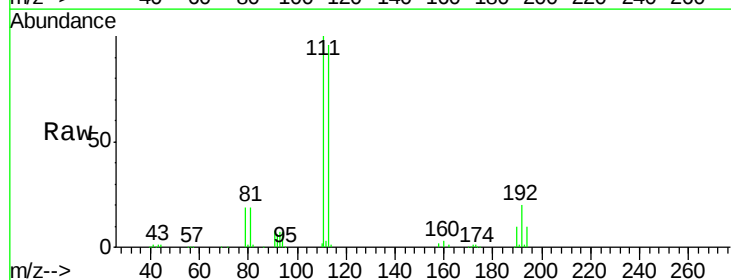
Instrument :
 MSVOA_U
 ClientSampleId :

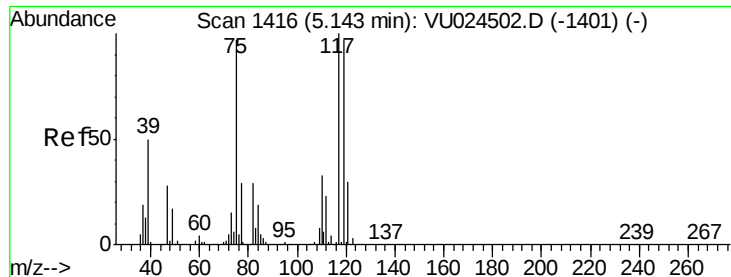
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	45.4
88	15.9	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 47.725 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024561.D
 Acq: 15 Jun 2018 00:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.8	16.2	24.4





#36

1,1-Dichloropropene

Concen: 3.454 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

Instrument :
MSVOA_U
ClientSampleId :

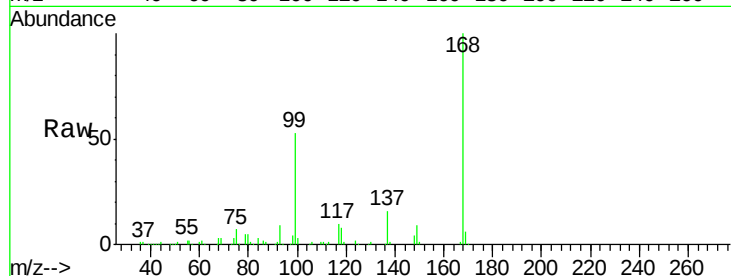
Tot Ion: 75 Resp: 12541

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.2 36.4#

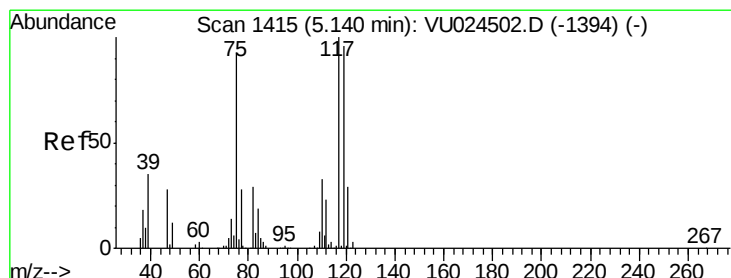
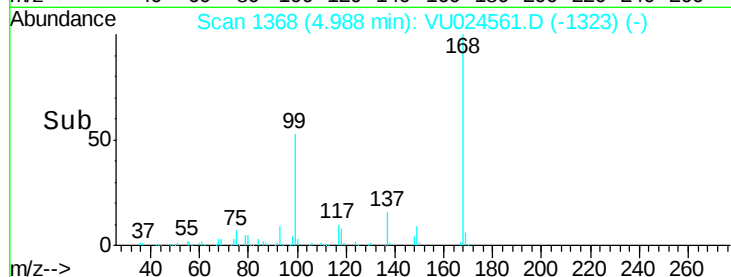


Abundance Ion 74.90 (74.60 to 75.60): VU024561.D (-1368) (-)

Ion 109.90 (109.60 to 110.60): VU024561.D (-1368) (-)

Ion 76.90 (76.60 to 77.60): VU024561.D (-1368) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.331 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

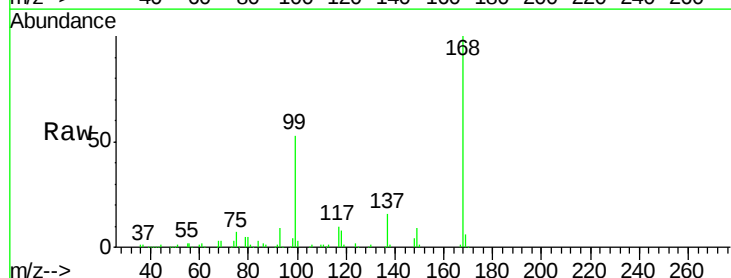
Tgt Ion: 117 Resp: 17292

Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

121 0.0 23.7 35.5#

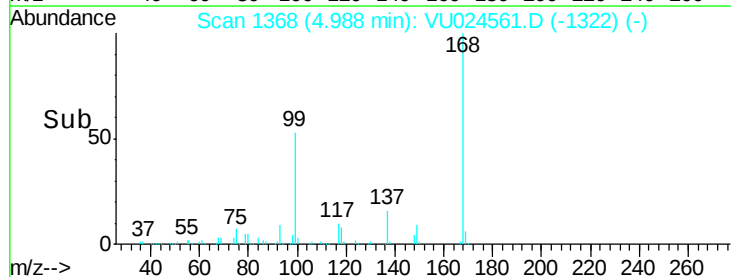


Abundance Ion 116.80 (116.50 to 117.50): VU024561.D (-1368) (-)

Ion 118.80 (118.50 to 119.50): VU024561.D (-1368) (-)

Ion 120.80 (120.50 to 121.50): VU024561.D (-1368) (-)

Time-->

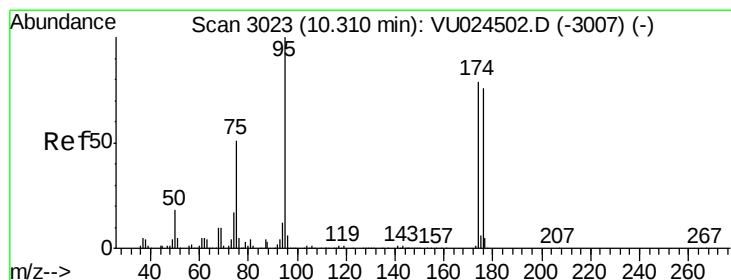
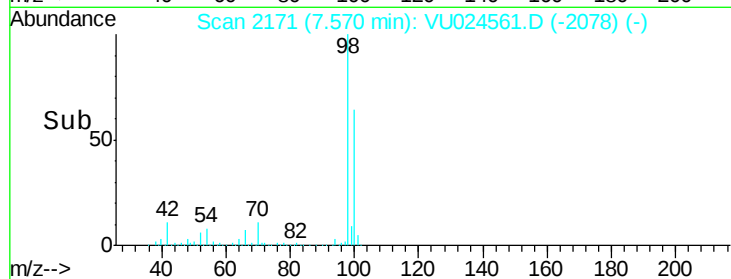
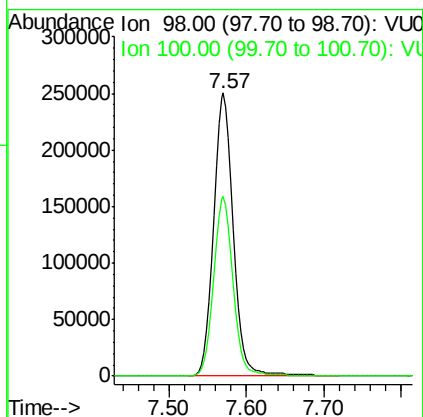
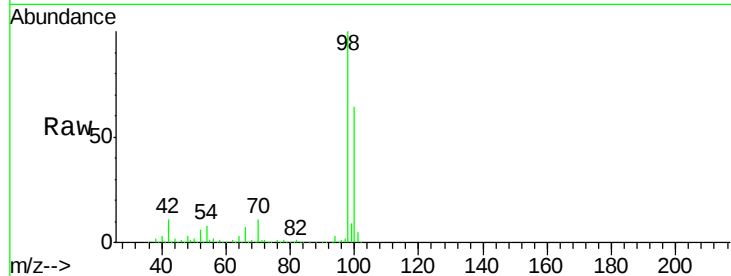




#50
Toluene-d8
Concen: 48.688 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

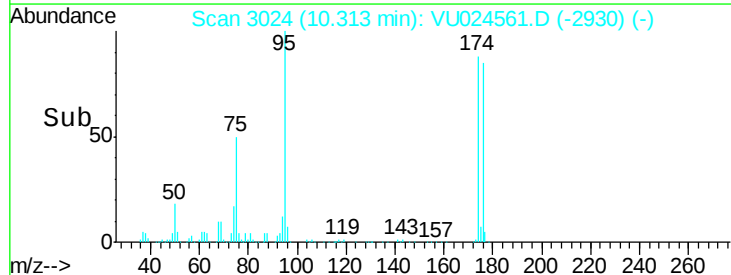
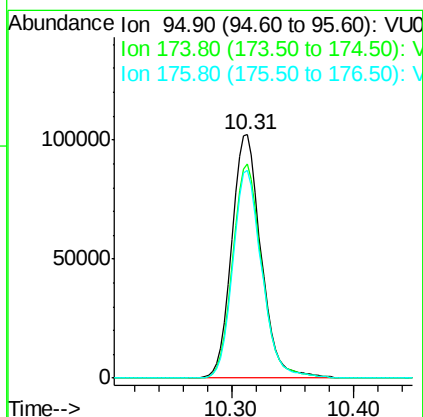
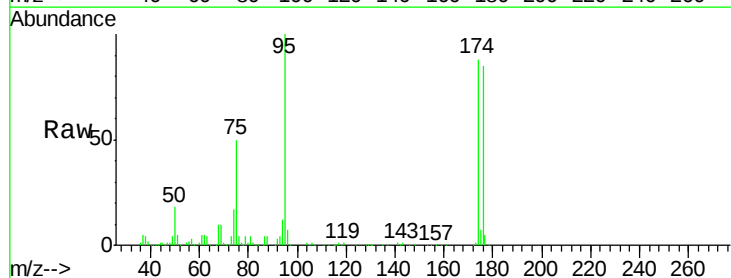
Instrument :
MSVOA_U
ClientSampleId :

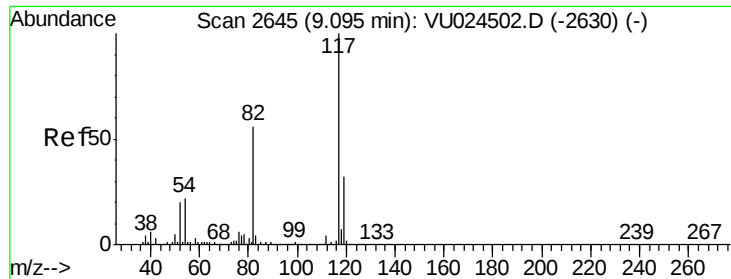
Tot Ion: 98 Resp: 455444
Ion Ratio Lower Upper
98 100
100 62.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 46.235 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

Tgt Ion: 95 Resp: 171719
Ion Ratio Lower Upper
95 100
174 87.2 0.0 165.8
176 84.2 0.0 159.4

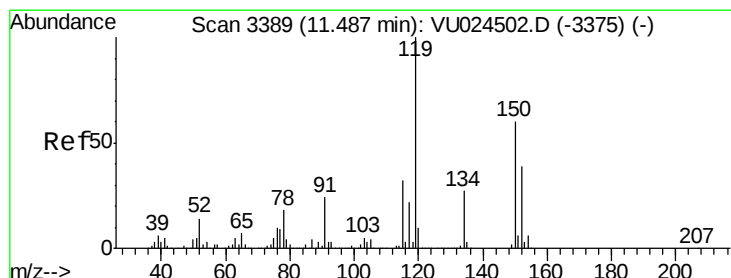
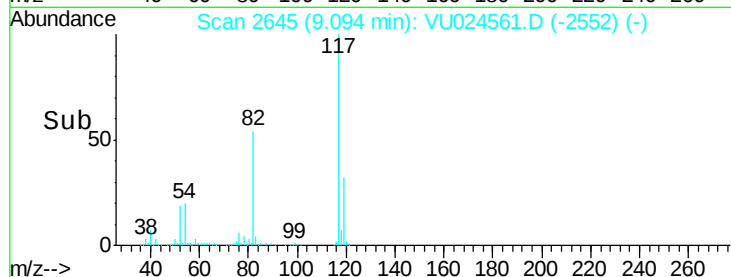
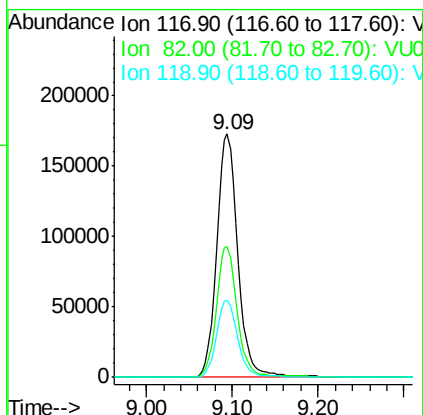
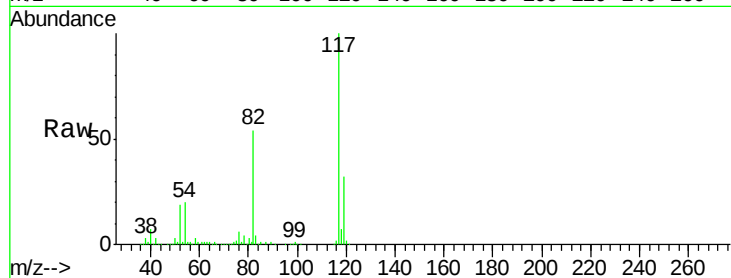




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

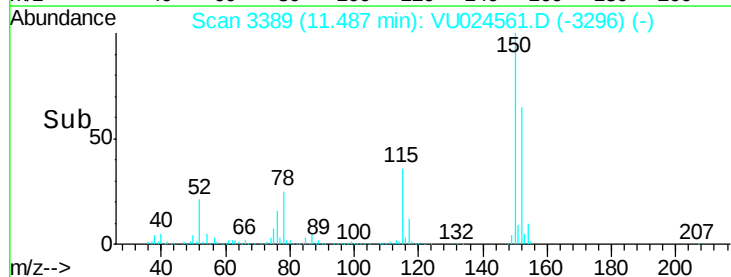
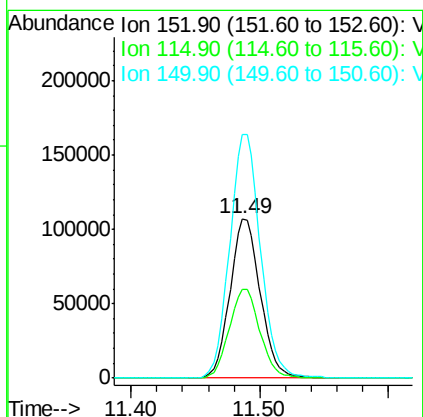
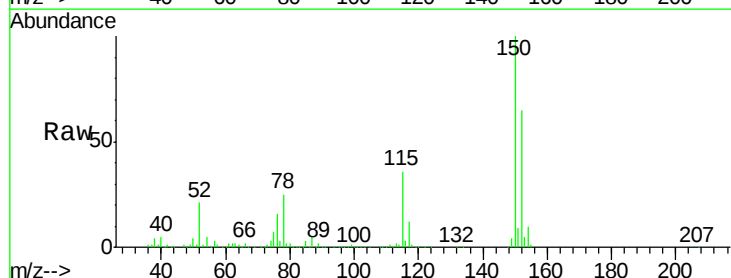
Instrument :
MSVOA_U
ClientSampleId :

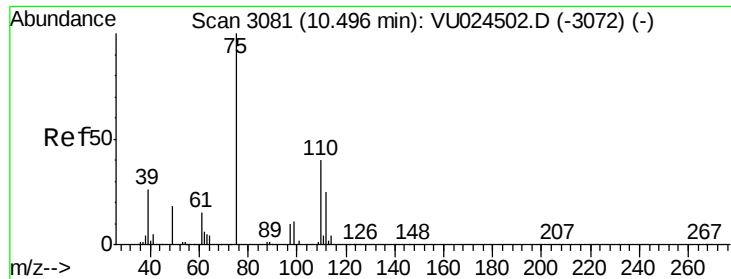
Tot Ion:117 Resp: 295640
Ion Ratio Lower Upper
117 100
82 53.6 44.3 66.5
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024561.D
Acq: 15 Jun 2018 00:13

Tgt Ion:152 Resp: 175137
Ion Ratio Lower Upper
152 100
115 56.3 43.0 129.0
150 155.0 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 22.436 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

Instrument :

MSVOA_U

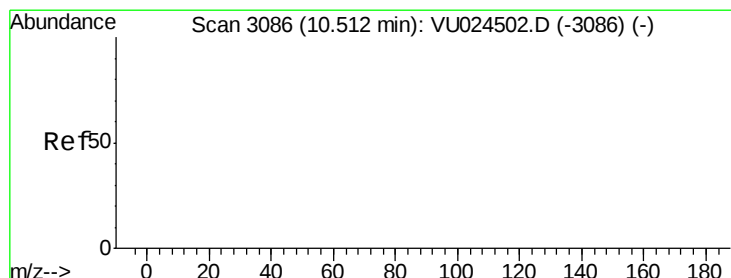
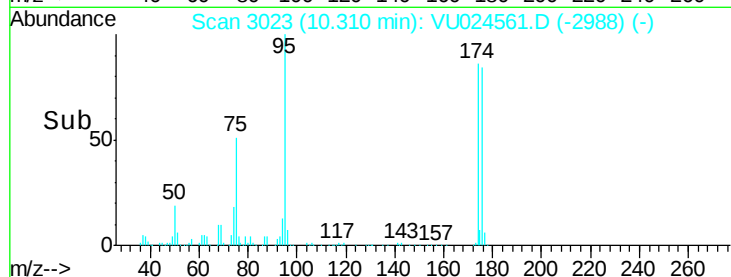
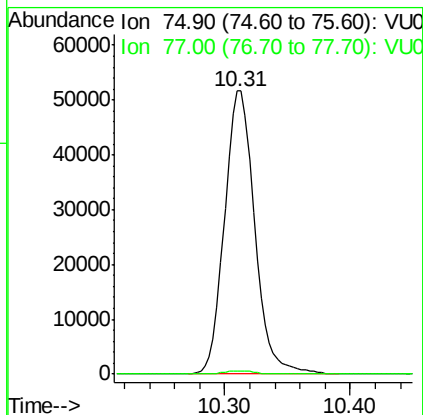
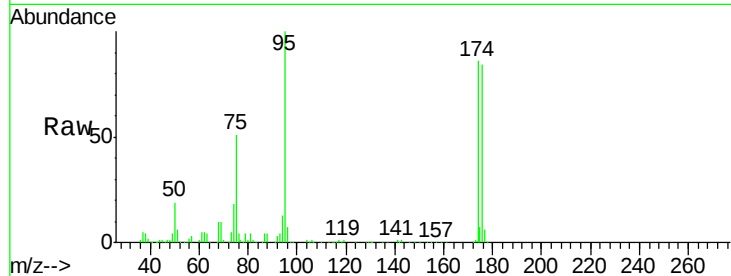
ClientSampleId :

Tot Ion: 75 Resp: 86509

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.925 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024561.D

Acq: 15 Jun 2018 00:13

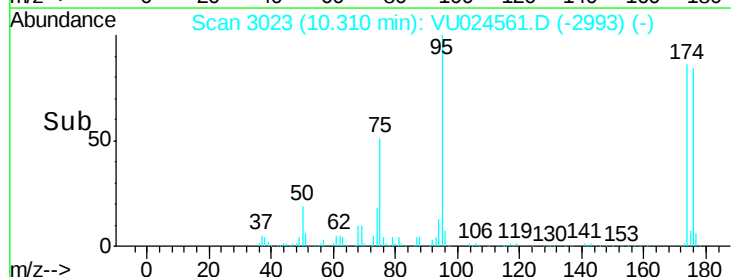
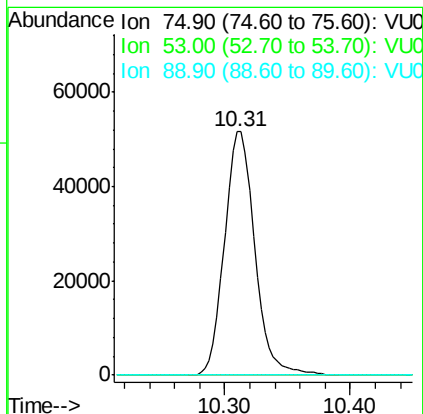
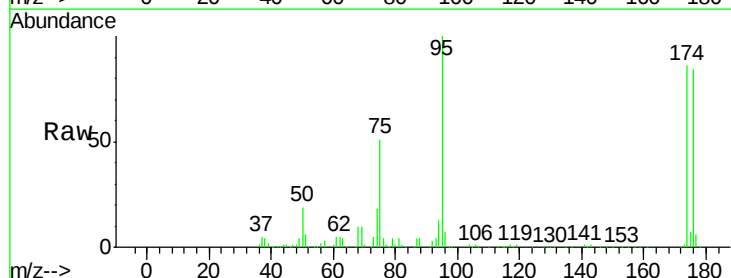
Tgt Ion: 75 Resp: 86509

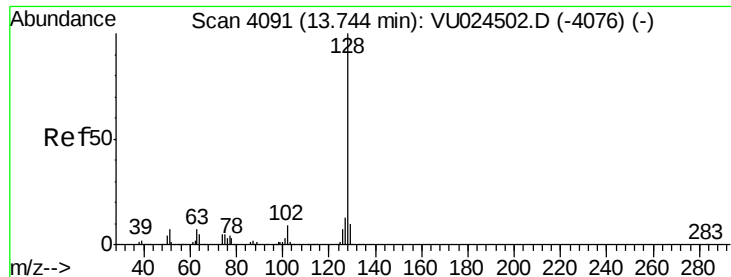
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95
 Naphthalene
 Concen: 0.763 ug/l
 RT: 13.78 min Scan# 4102
 Delta R.T. 0.04 min
 Lab File: VU024561.D
 Acq: 15 Jun 2018 00:13

Instrument :
 MSVOA_U
 ClientSampleId :

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

