

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024714.D
 Acq On : 19 Jun 2018 01:30
 Operator : MD/SY
 Sample : J3535-20
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB02-180613

Quant Time: Jun 19 05:19:39 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	188282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	299524	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147469	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	132045	42.96	ug/l	0.00
Spiked Amount			Recovery	=	85.92%	
35) Dibromofluoromethane	4.89	113	116096	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	7.57	98	432976	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	10.31	95	153524	42.64	ug/l	0.00
Spiked Amount			Recovery	=	85.28%	

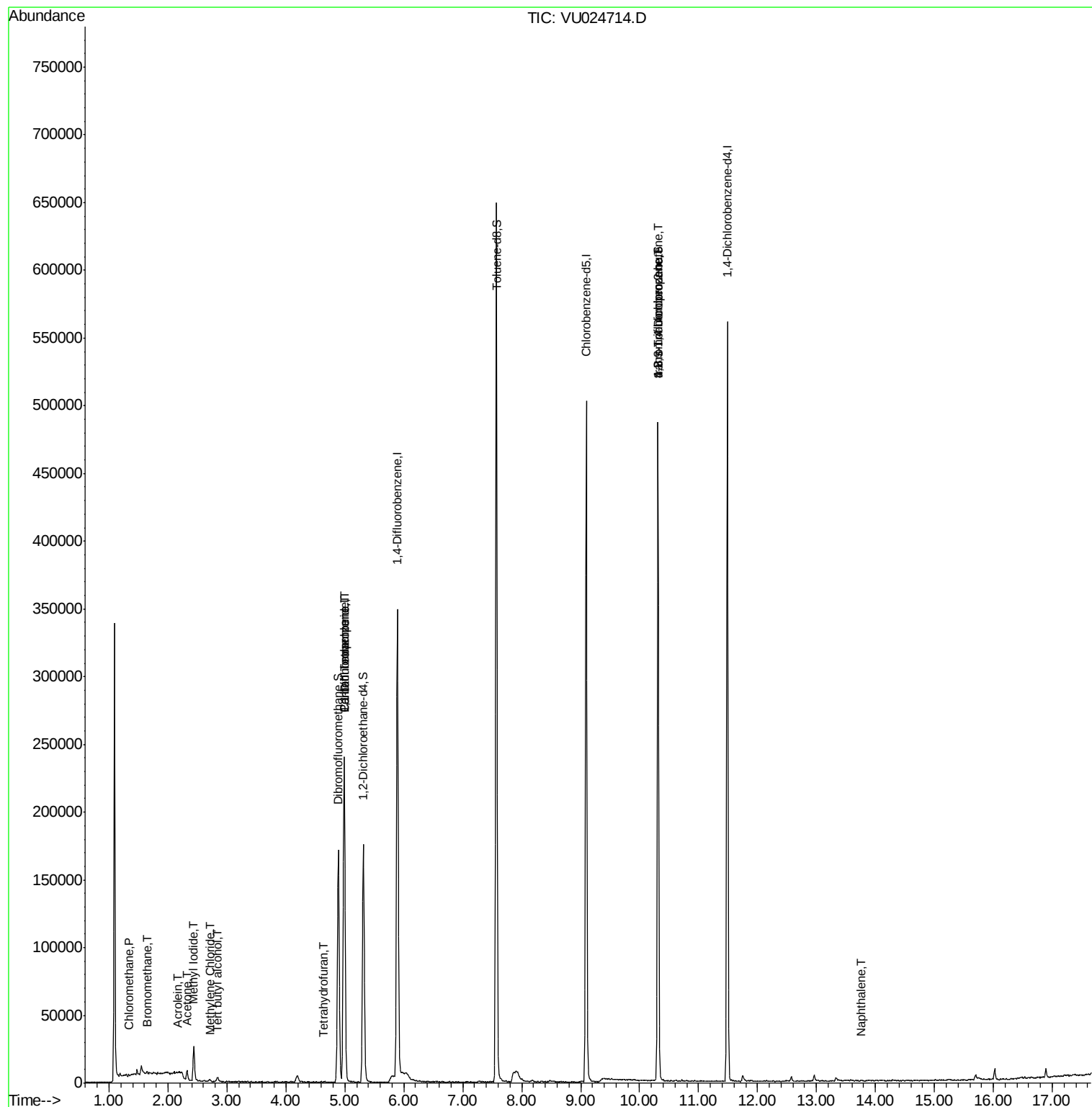
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	781	0.324	ug/l	97
5) Bromomethane	1.64	94	566	0.472	ug/l	98
6) Chloroethane	1.71	64	45	Below Cal	#	43
10) Methyl Iodide	2.42	142	207	5.382	ug/l #	40
11) Tert butyl alcohol	2.84	59	1641	2.195	ug/l #	86
13) Acrolein	2.18	56	114	0.290	ug/l #	50
16) Acetone	2.32	43	6869	4.159	ug/l	95
20) Methylene Chloride	2.70	84	553	0.213	ug/l	97
29) Tetrahydrofuran	4.64	42	347	0.253	ug/l #	34
31) Cyclohexane	4.99	56	3889	Below Cal	#	2
36) 1,1-Dichloropropene	4.99	75	12675	3.601	ug/l #	51
38) Carbon Tetrachloride	4.99	117	16944	4.378	ug/l #	15
76) 1,2,3-Trichloropropane	10.31	75	77526	23.878	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	77526	55.264	ug/l #	100
95) Naphthalene	13.76	128	633	0.737	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: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

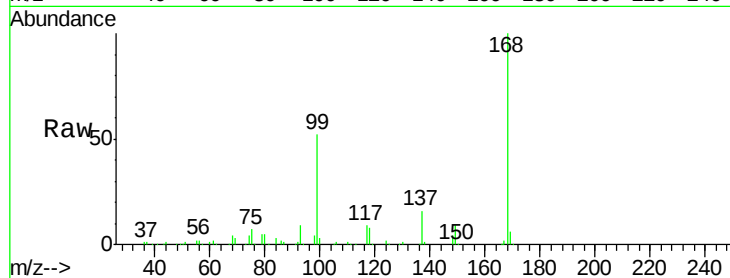
Z2TB02-180613

Tgt Ion:168 Resp: 188282

Ion Ratio Lower Upper

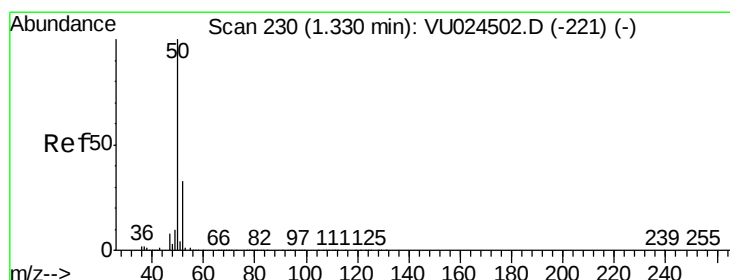
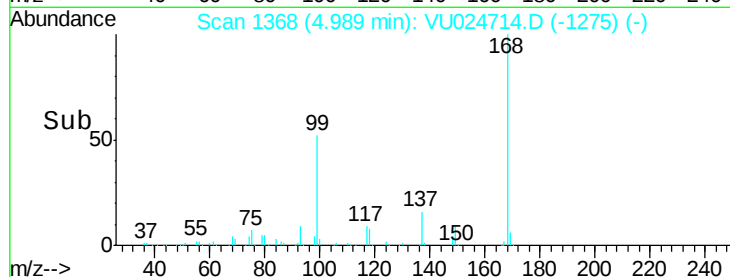
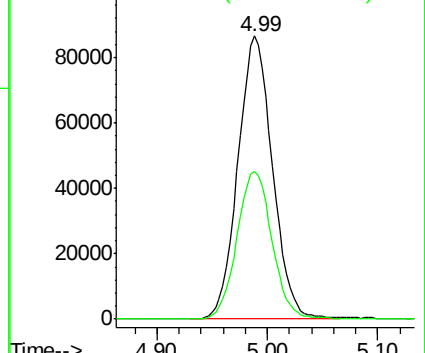
168 100

99 52.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#3

Chloromethane

Concen: 0.324 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024714.D

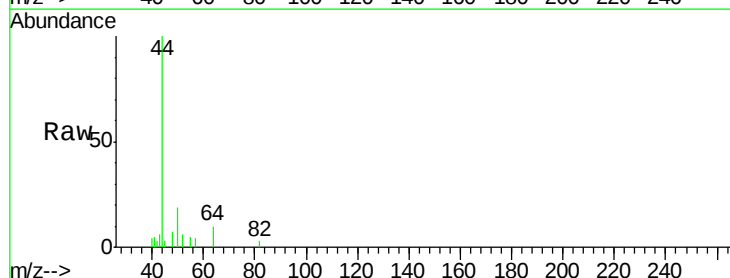
Acq: 19 Jun 2018 01:30

Tgt Ion: 50 Resp: 781

Ion Ratio Lower Upper

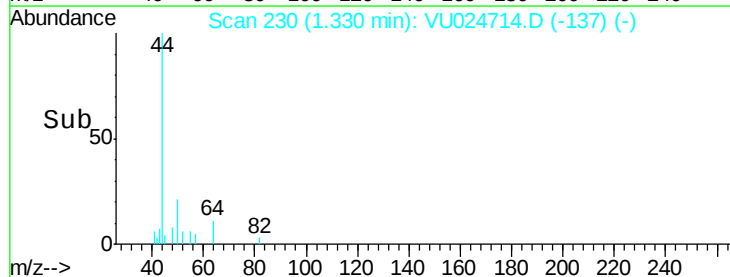
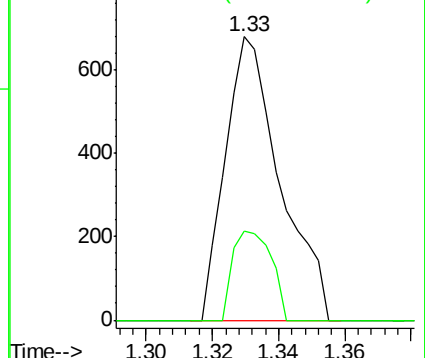
50 100

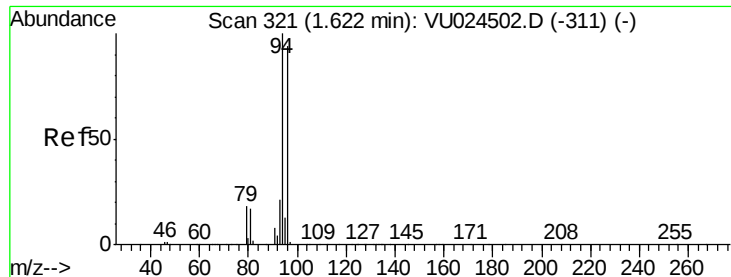
52 31.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0





#5

Bromomethane

Concen: 0.472 ug/l

RT: 1.64 min Scan# 328

Delta R.T. 0.02 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

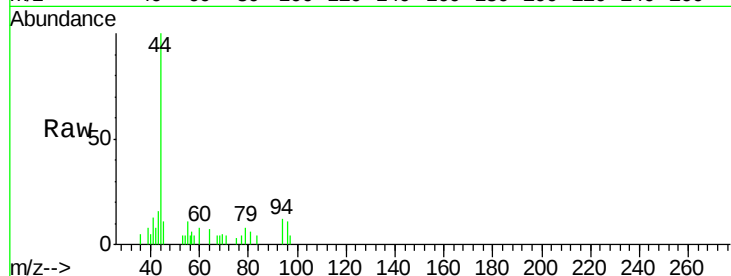
Z2TB02-180613

Tgt Ion: 94 Resp: 566

Ion Ratio Lower Upper

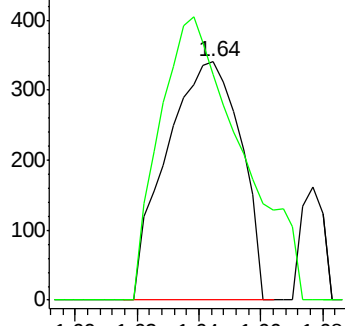
94 100

96 94.7 74.5 111.7

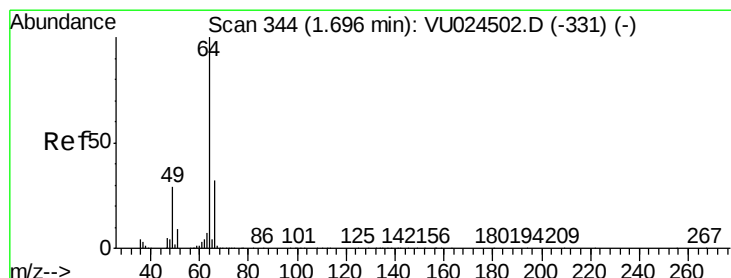
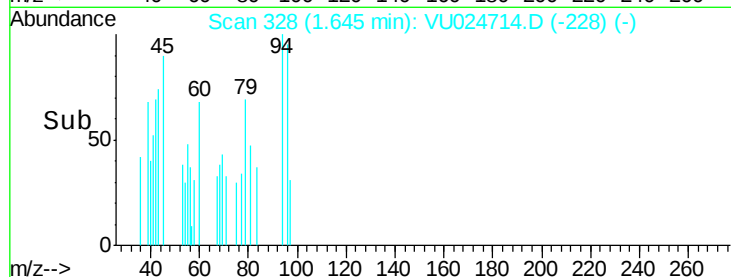


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU024714.D

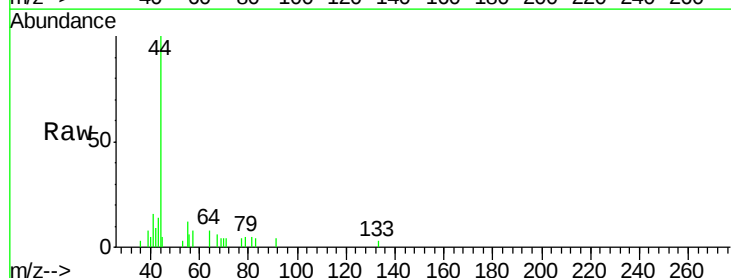
Acq: 19 Jun 2018 01:30

Tgt Ion: 64 Resp: 45

Ion Ratio Lower Upper

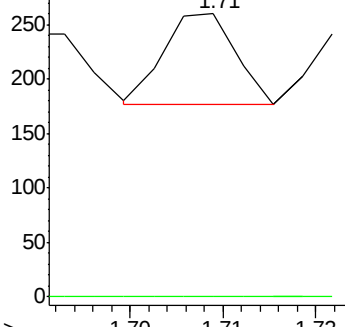
64 100

66 0.0 25.5 38.3#

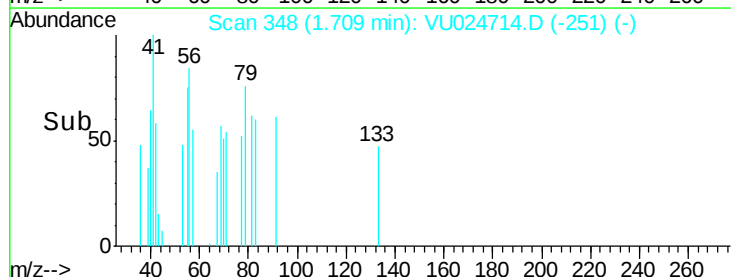


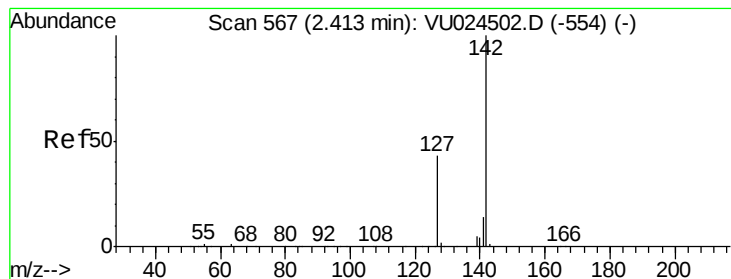
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#10

Methyl Iodide

Concen: 5.382 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

Z2TB02-180613

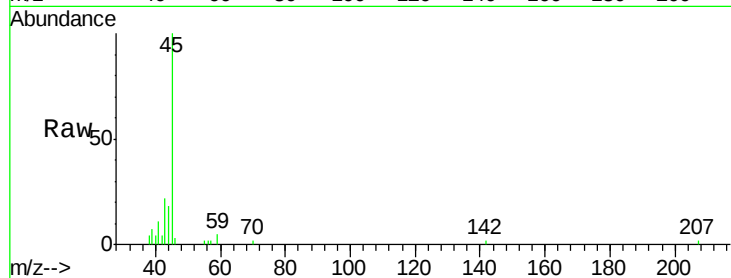
Tgt Ion: 142 Resp: 207

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.42

150

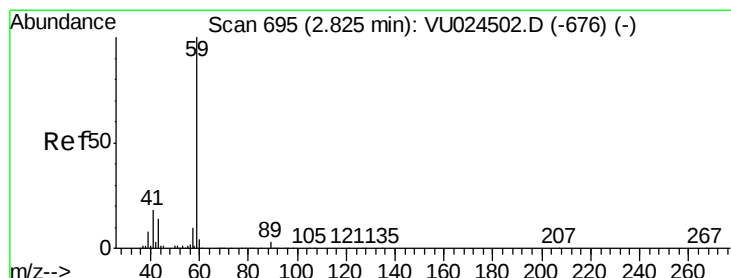
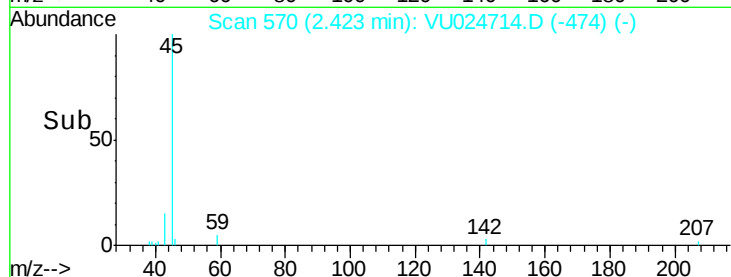
100

50

0

2.40 2.42 2.44

Time-->



#11

Tert butyl alcohol

Concen: 2.195 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024714.D

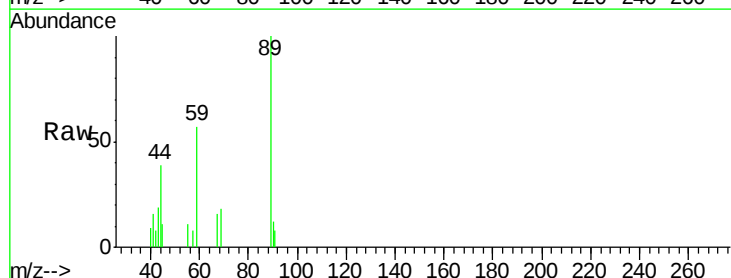
Acq: 19 Jun 2018 01:30

Tgt Ion: 59 Resp: 1641

Ion Ratio Lower Upper

59 100

57 5.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

800

600

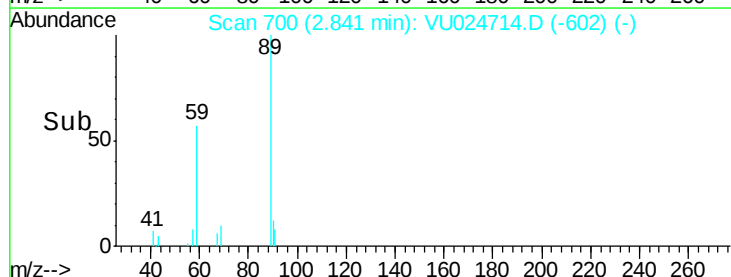
400

200

0

2.80 2.84 2.90

Time-->

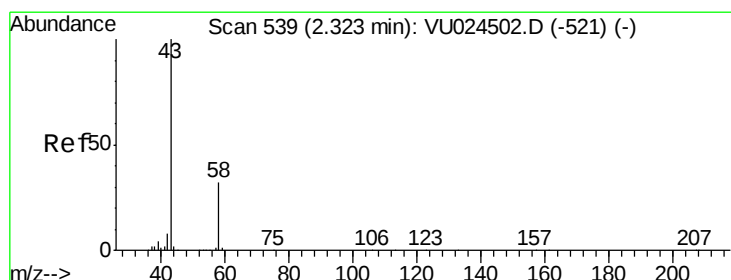
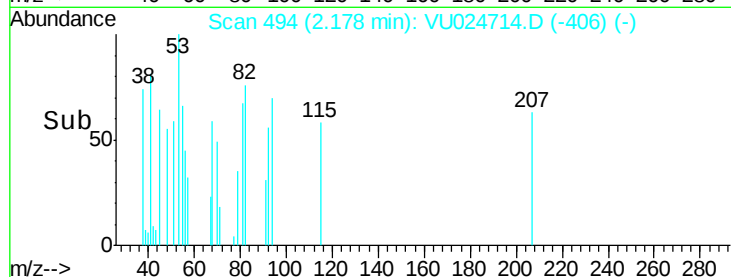
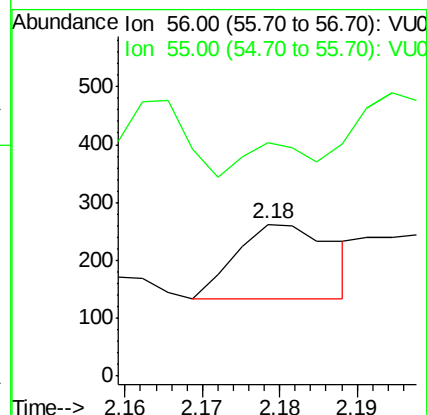
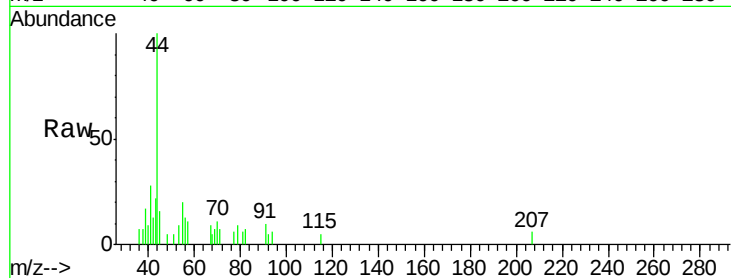




#13
Acrolein
Concen: 0.290 ug/l
RT: 2.18 min Scan# 494
Delta R.T. -0.02 min
Lab File: VU024714.D
Acq: 19 Jun 2018 01:30

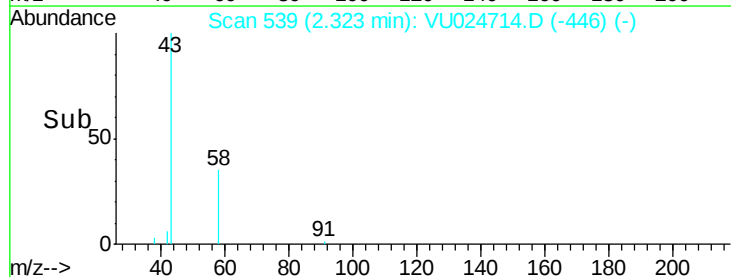
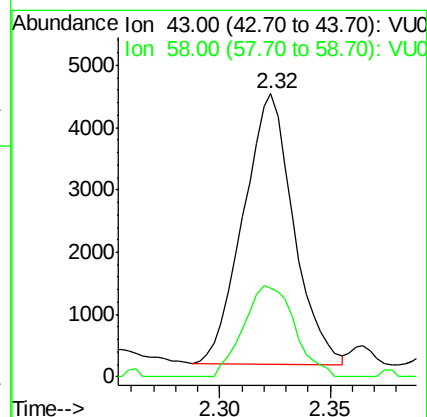
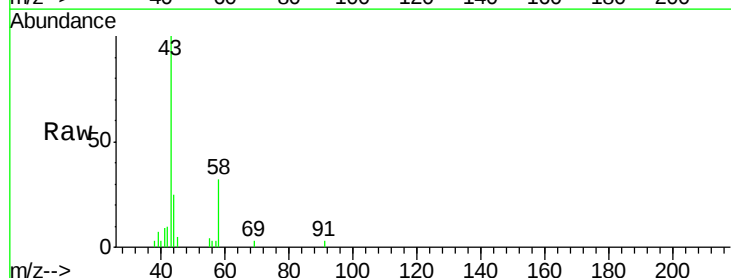
Instrument :
MSVOA_U
ClientSampleId :
Z2TB02-180613

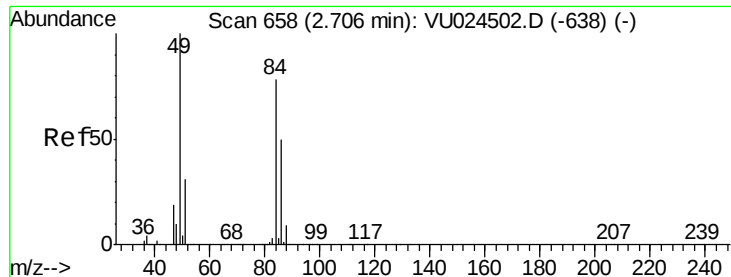
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 114.9 58.4 87.6#



#16
Acetone
Concen: 4.159 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU024714.D
Acq: 19 Jun 2018 01:30

Tgt Ion: 43 Resp: 6869
Ion Ratio Lower Upper
43 100
58 33.2 24.4 36.6



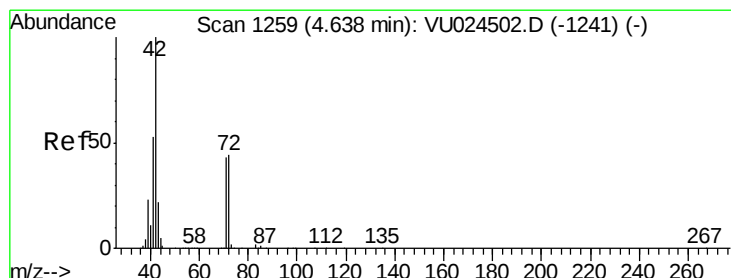
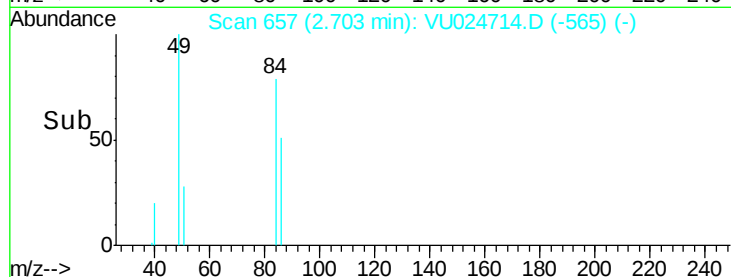
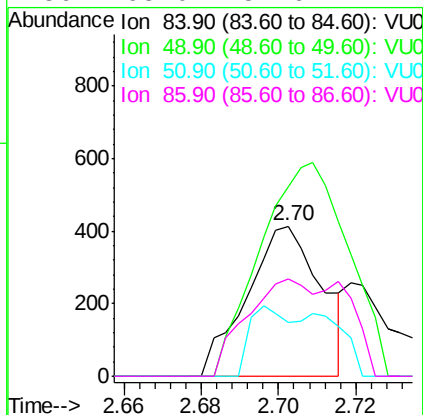
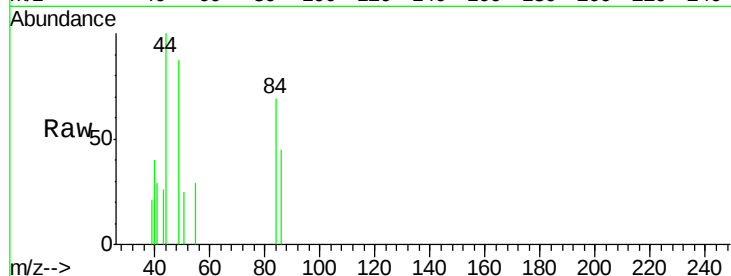


#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024714.D
Acq: 19 Jun 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
Z2TB02-180613

Tgt Ion: 84 Resp: 553

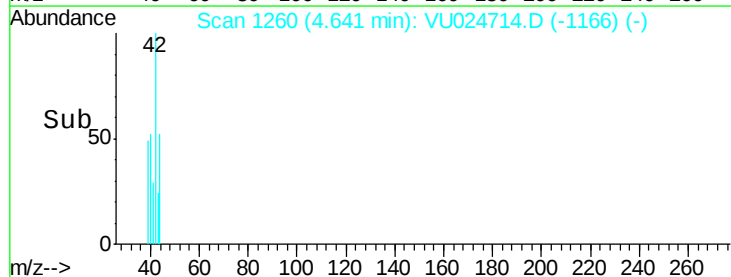
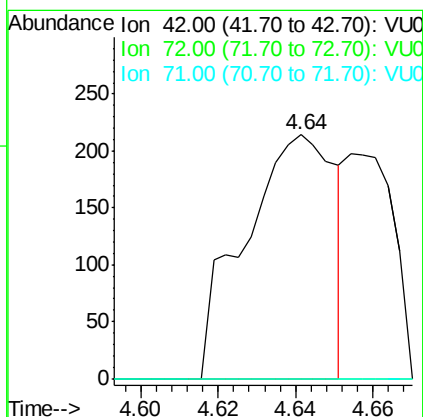
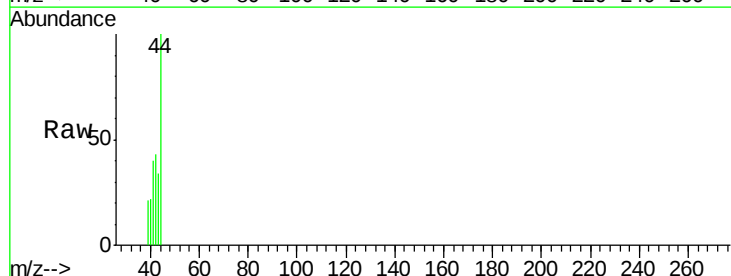
Ion	Ratio	Lower	Upper
84	100		
49	126.3	103.8	155.8
51	35.7	32.0	48.0
86	65.0	51.6	77.4

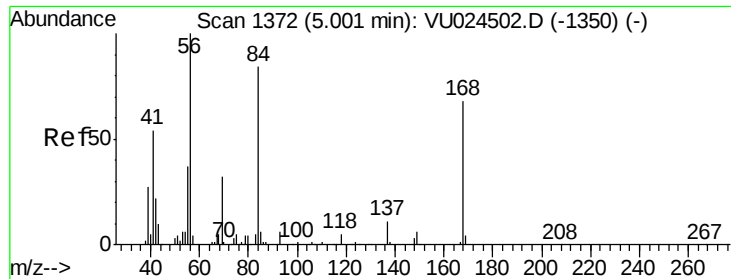


#29
Tetrahydrofuran
Concen: 0.253 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU024714.D
Acq: 19 Jun 2018 01:30

Tgt Ion: 42 Resp: 347

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

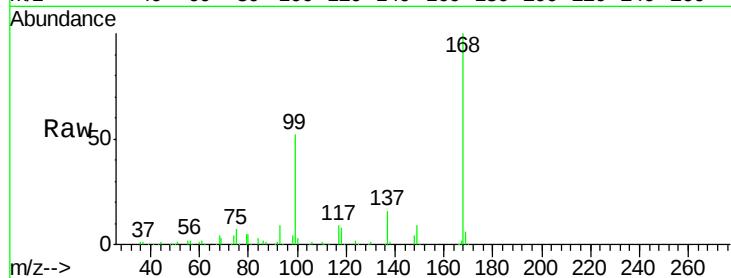




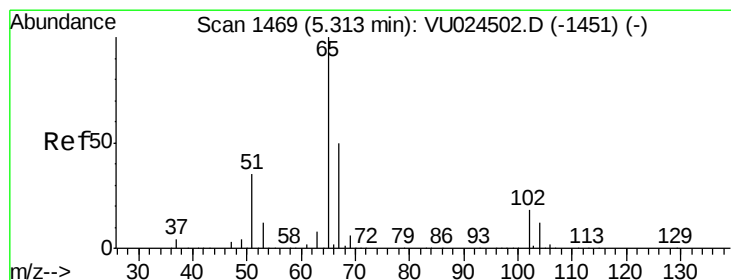
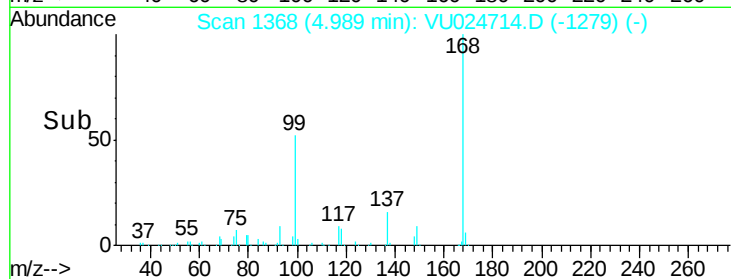
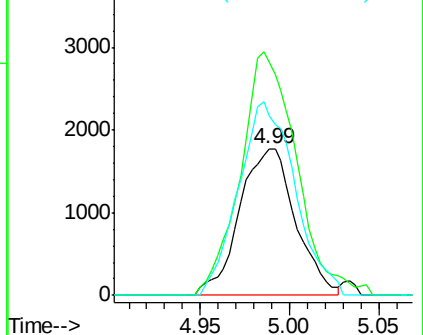
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024714.D
Acq: 19 Jun 2018 01:30

Instrument :
MSVOA_U
ClientSampleId :
Z2TB02-180613

Tgt Ion: 56 Resp: 3889
Ion Ratio Lower Upper
56 100
69 158.8 24.8 37.2#
84 123.0 65.2 97.8#

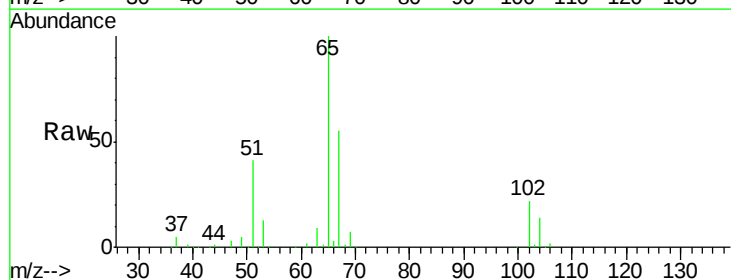


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

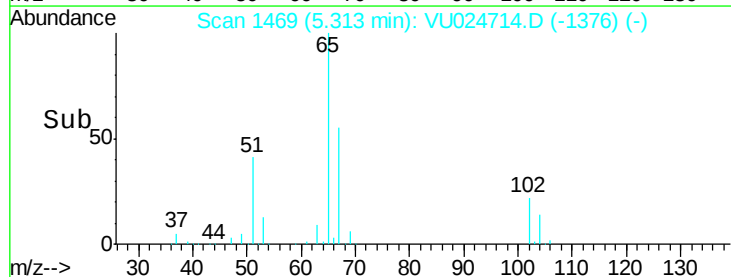
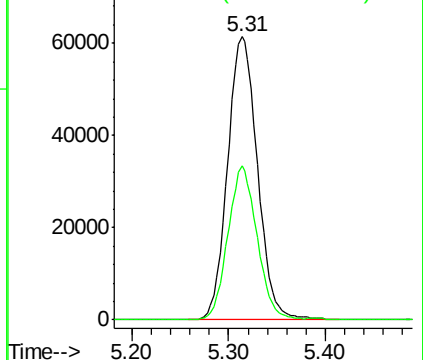


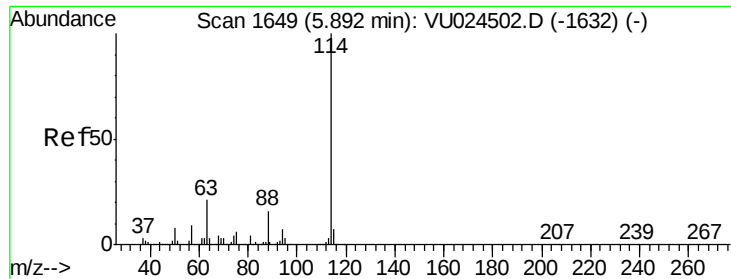
#33
1,2-Dichloroethane-d4
Concen: 42.959 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024714.D
Acq: 19 Jun 2018 01:30

Tgt Ion: 65 Resp: 132045
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.0



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

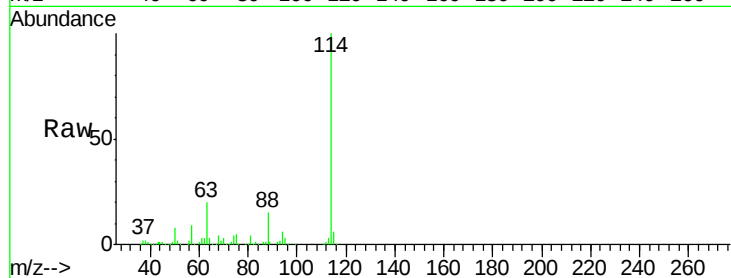




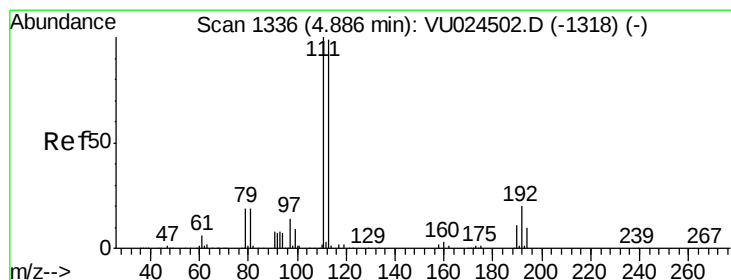
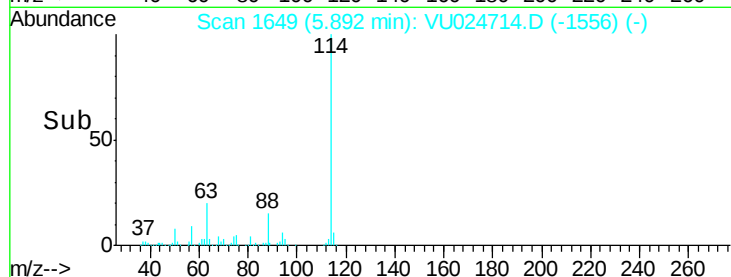
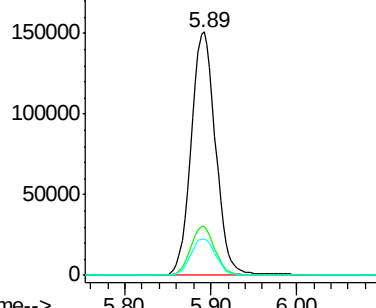
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024714.D
 Acq: 19 Jun 2018 01:30

Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB02-180613

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	45.4
88	15.0	0.0	31.0

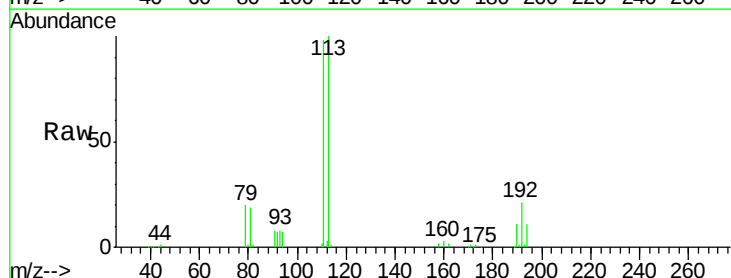


Abundance Ion 113.90 (113.60 to 114.60): V

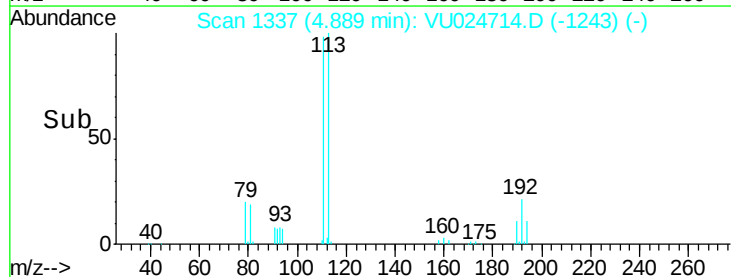
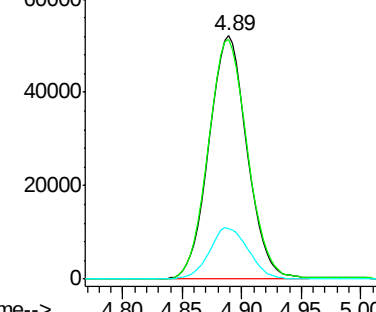


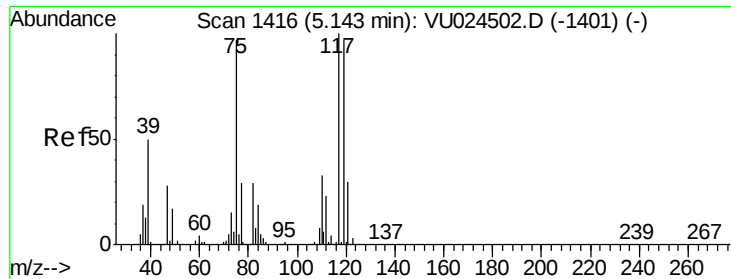
#35
 Dibromofluoromethane
 Concen: 46.703 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024714.D
 Acq: 19 Jun 2018 01:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.4
192	21.6	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V

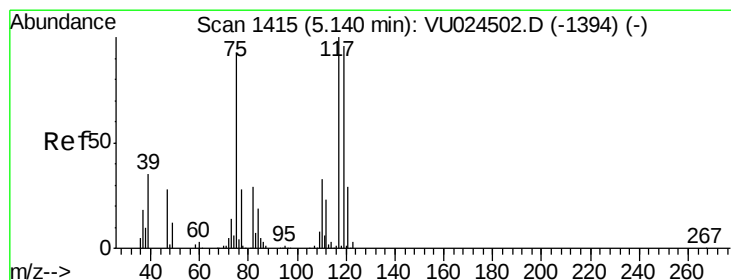
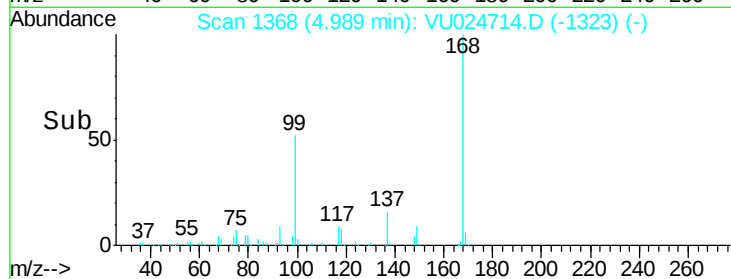
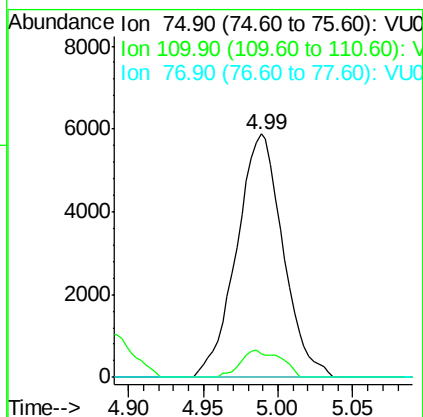
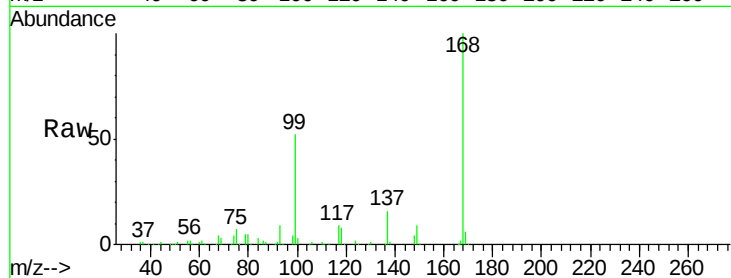




#36
 1,1-Dichloropropene
 Concen: 3.601 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024714.D
 Acq: 19 Jun 2018 01:30

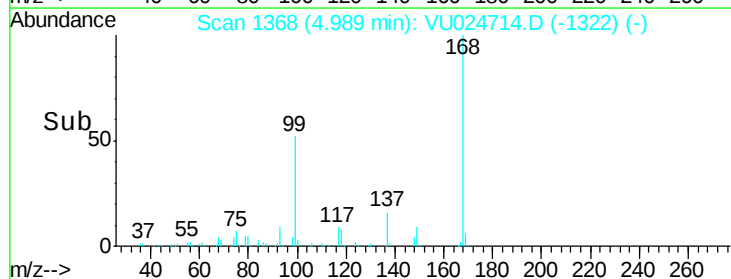
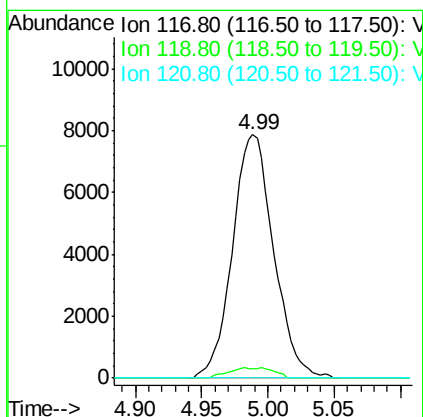
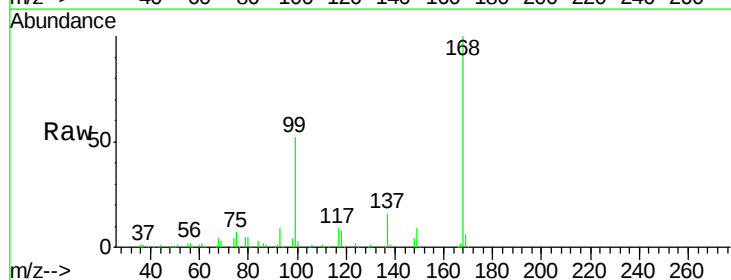
Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB02-180613

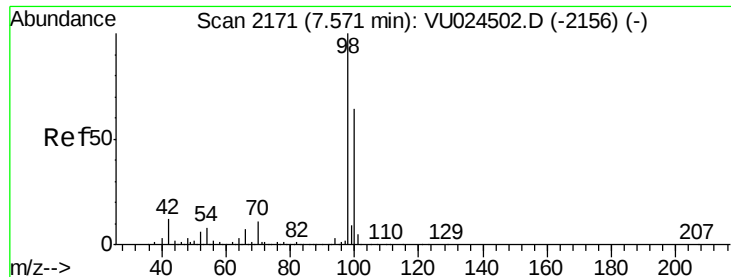
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.378 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024714.D
 Acq: 19 Jun 2018 01:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	76.1	114.1#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 47.752 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

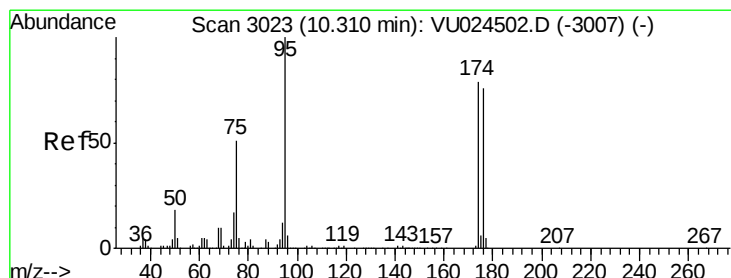
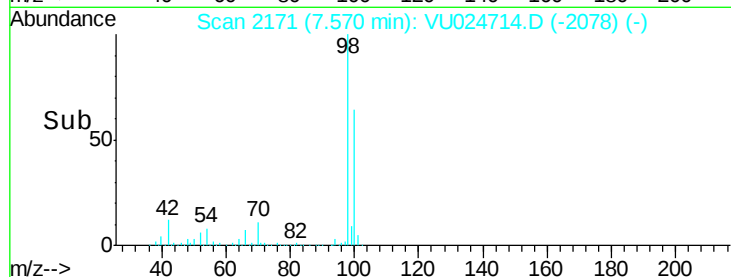
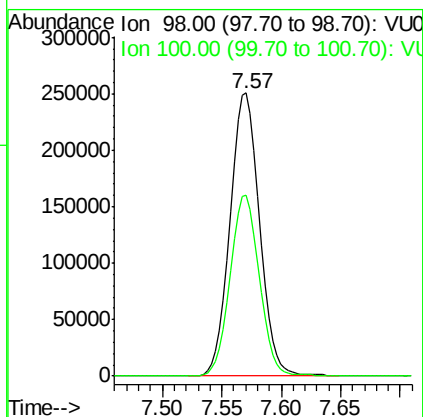
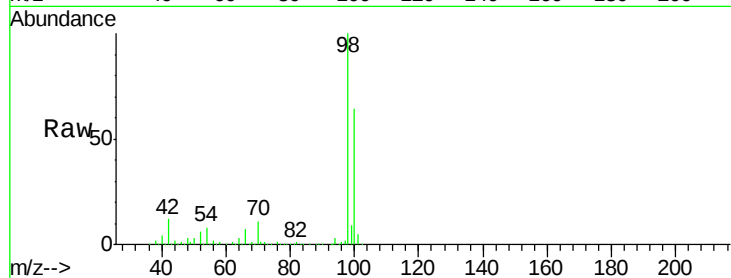
Z2TB02-180613

Tgt Ion: 98 Resp: 432976

Ion Ratio Lower Upper

98 100

100 63.3 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 42.645 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

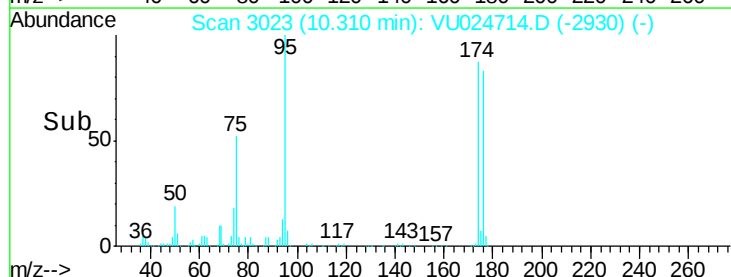
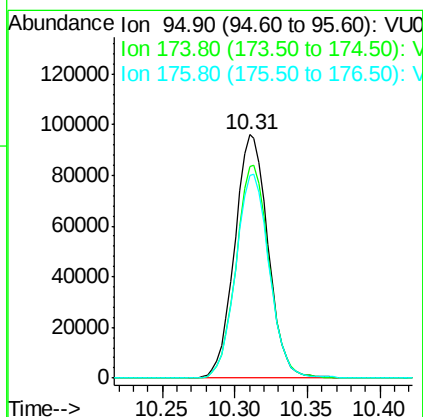
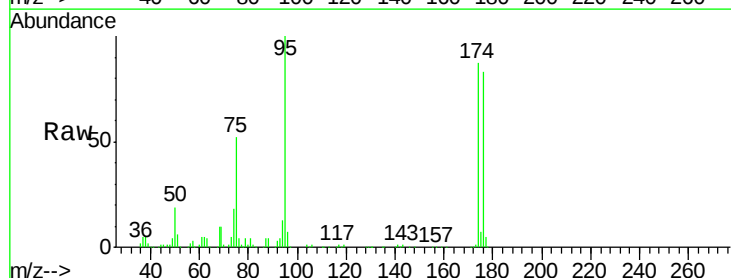
Tgt Ion: 95 Resp: 153524

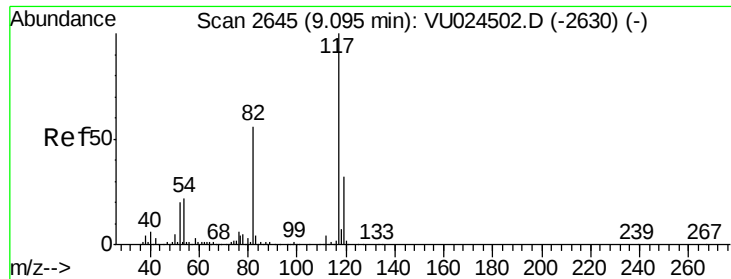
Ion Ratio Lower Upper

95 100

174 86.9 0.0 165.8

176 83.9 0.0 159.4

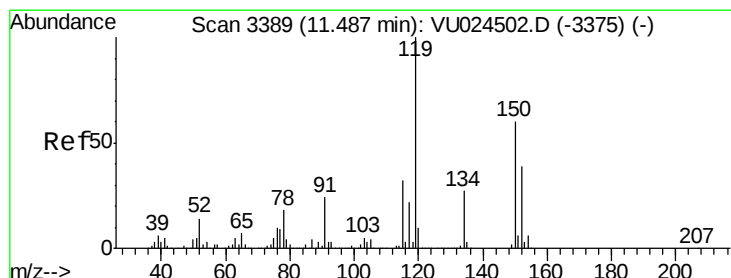
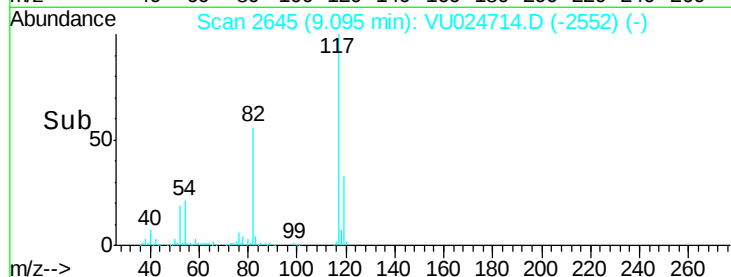
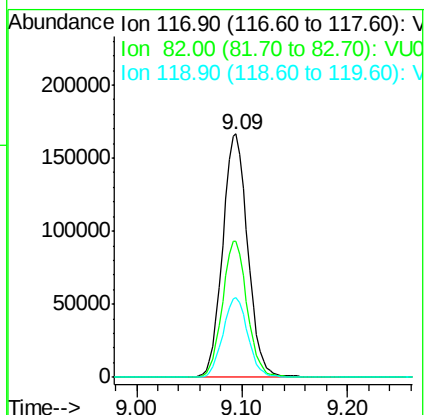
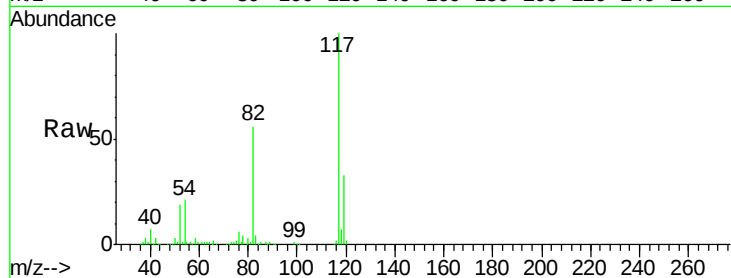




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024714.D
 Acq: 19 Jun 2018 01:30

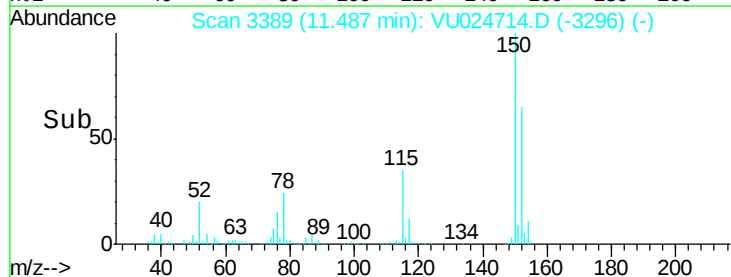
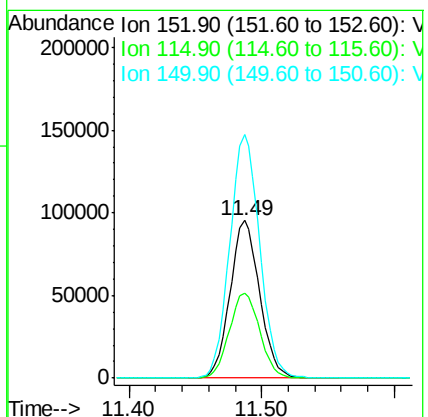
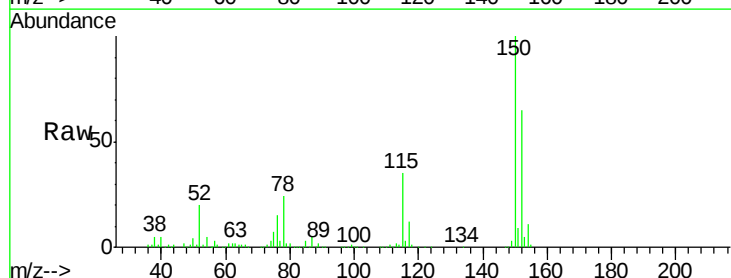
Instrument :
 MSVOA_U
 ClientSampleId :
 Z2TB02-180613

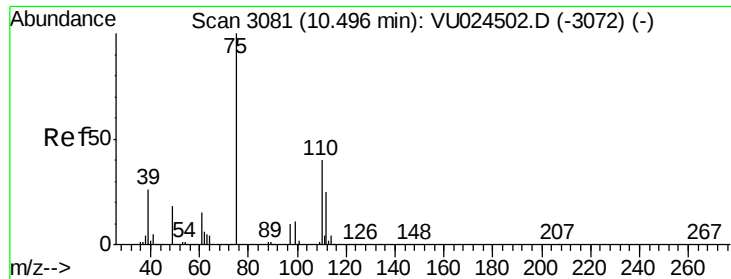
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.8	25.4	38.2



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024714.D
 Acq: 19 Jun 2018 01:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	43.0	129.0
150	156.7	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 23.878 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

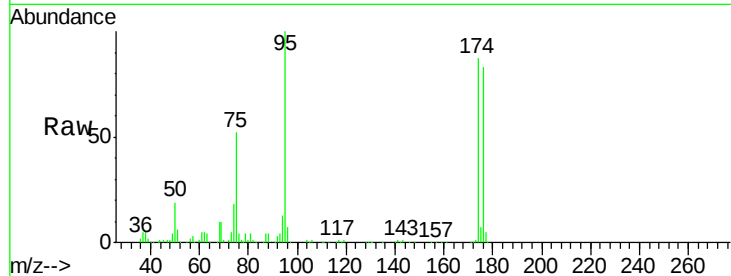
Z2TB02-180613

Tgt Ion: 75 Resp: 77526

Ion Ratio Lower Upper

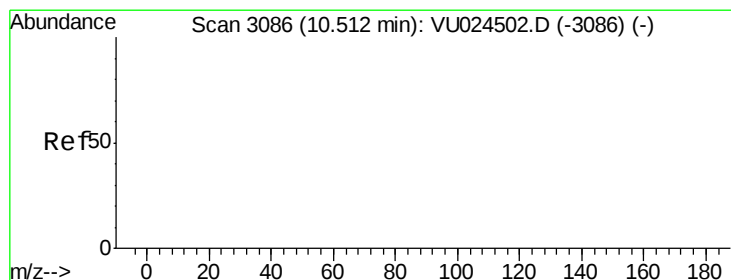
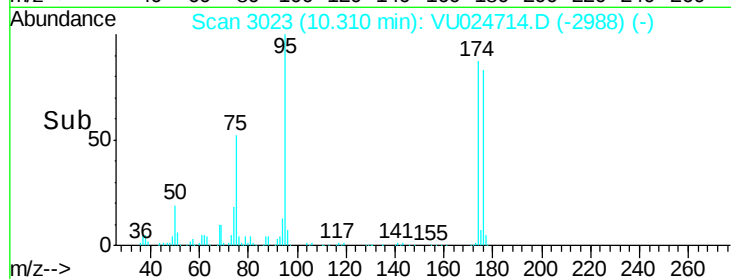
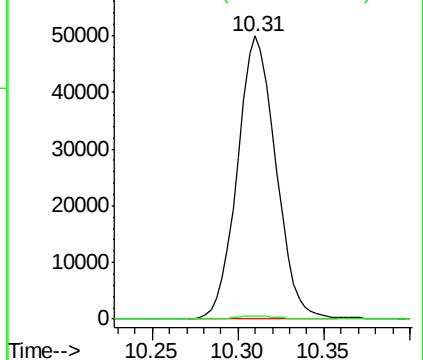
75 100

77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 55.264 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024714.D

Acq: 19 Jun 2018 01:30

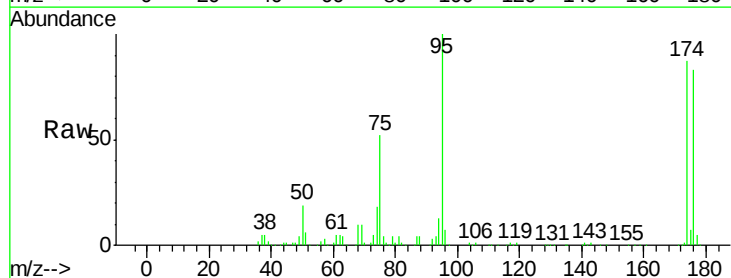
Tgt Ion: 75 Resp: 77526

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

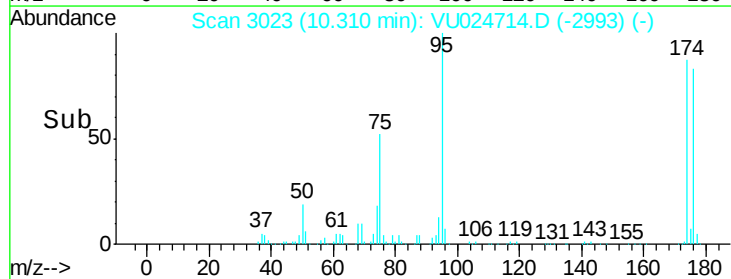
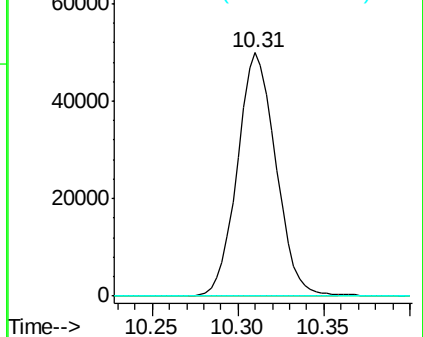
89 0.0 0.0 0.0

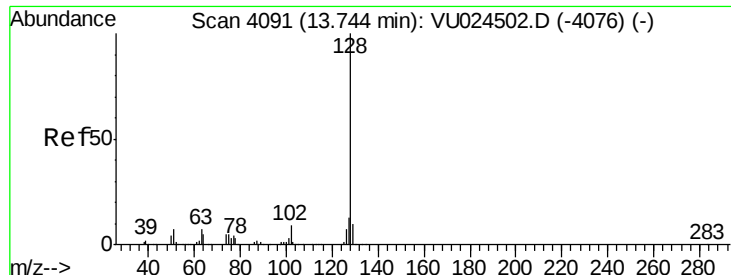


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.737 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU024714.D

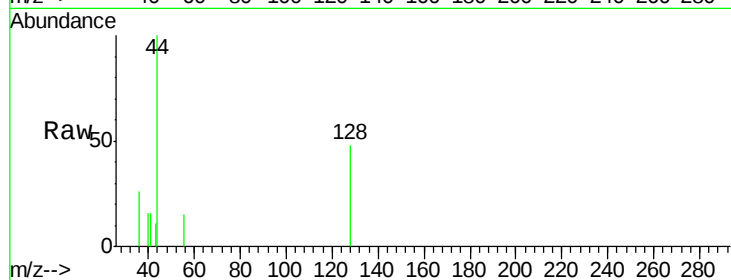
Acq: 19 Jun 2018 01:30

Instrument :

MSVOA_U

ClientSampleId :

Z2TB02-180613



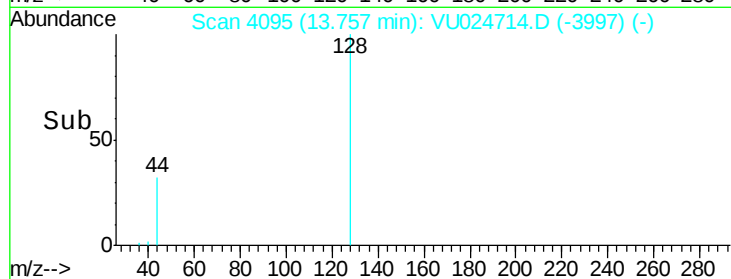
Tgt Ion:128 Resp: 633

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

