

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024867.D
 Acq On : 25 Jun 2018 12:05
 Operator : MD/SY
 Sample : VU0625MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:12:10 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	214143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325665	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	298671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	161915	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	156041	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	
35) Dibromofluoromethane	4.89	113	127936	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	7.57	98	470383	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	10.31	95	172853	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	

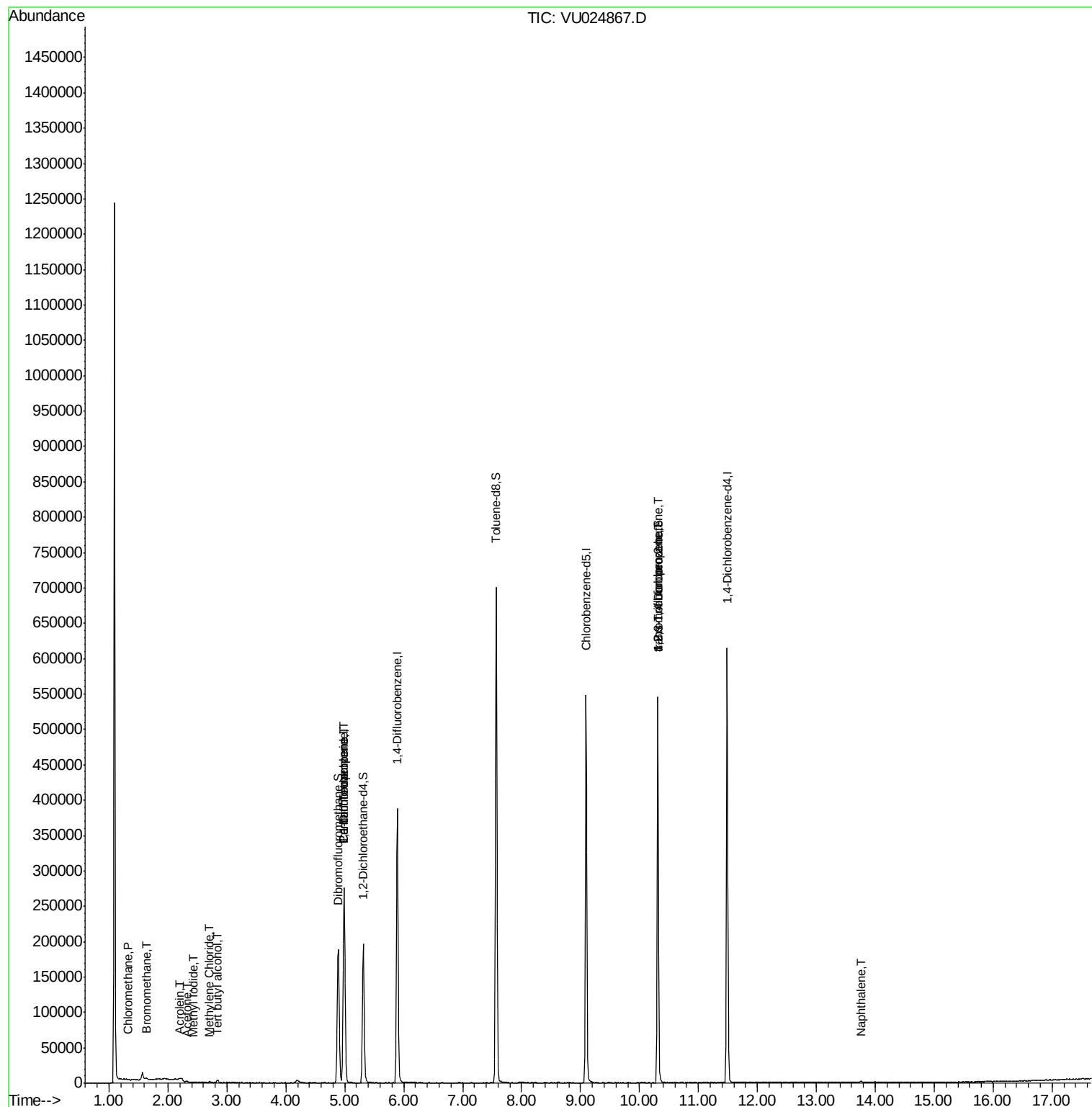
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	810	0.30	ug/l #	82
5) Bromomethane	1.63	94	688	0.50	ug/l #	66
6) Chloroethane	1.70	64	222	Below Cal	#	43
10) Methyl Iodide	2.42	142	532	5.50	ug/l #	77
11) Tert butyl alcohol	2.83	59	1083	1.27	ug/l #	72
13) Acrolein	2.19	56	146	0.33	ug/l #	13
16) Acetone	2.32	43	655	0.35	ug/l #	35
20) Methylene Chloride	2.71	84	1119	0.38	ug/l #	74
31) Cyclohexane	4.99	56	4277	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	15402	4.02	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20308	4.83	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	90354	25.35	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	90354	58.66	ug/l #	100
95) Naphthalene	13.76	128	3171	0.94	ug/l #	82

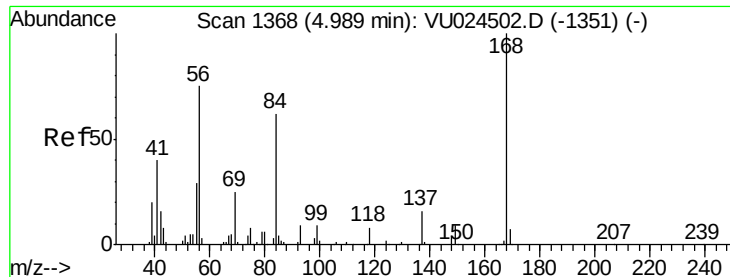
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024867.D

Acq: 25 Jun 2018 12:05

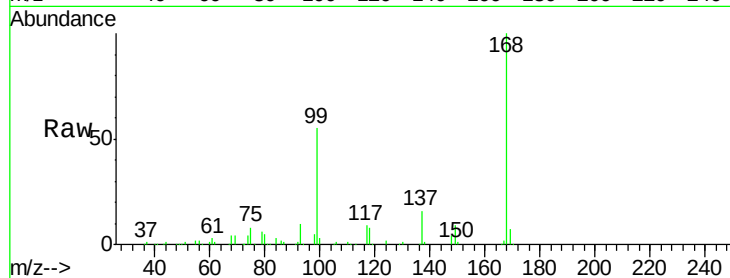
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 214143

Ion Ratio Lower Upper

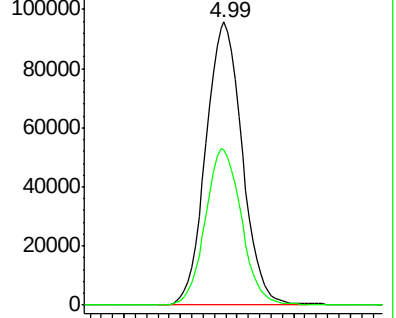
168 100

99 54.9 43.2 64.8

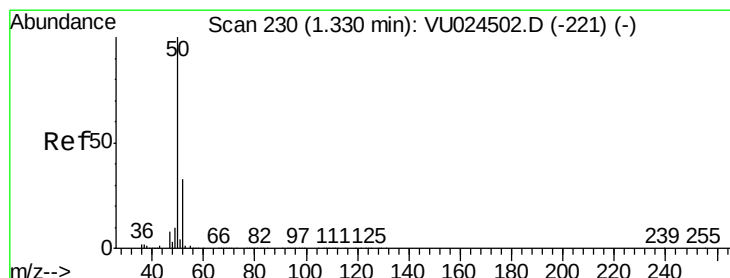
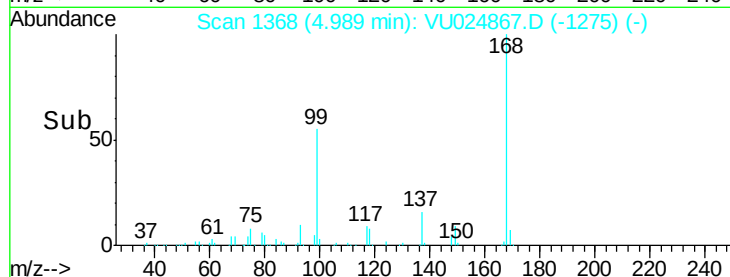


Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



Time-->



#3

Chloromethane

Concen: 0.30 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024867.D

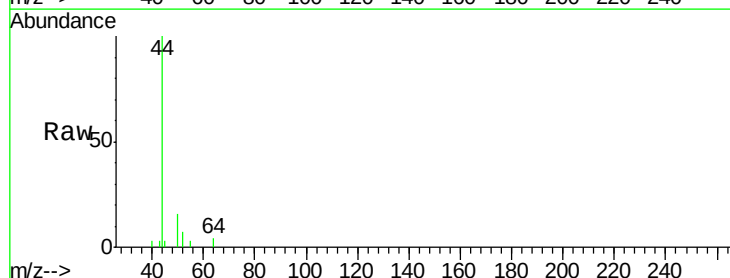
Acq: 25 Jun 2018 12:05

Tgt Ion: 50 Resp: 810

Ion Ratio Lower Upper

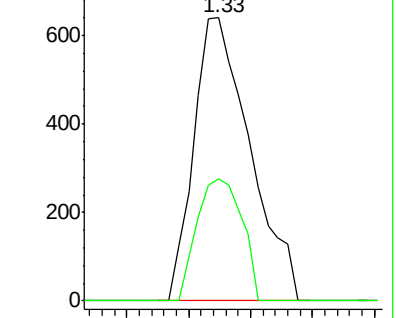
50 100

52 43.3 26.4 39.6#

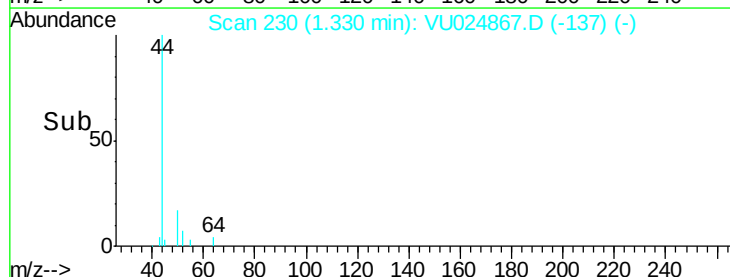


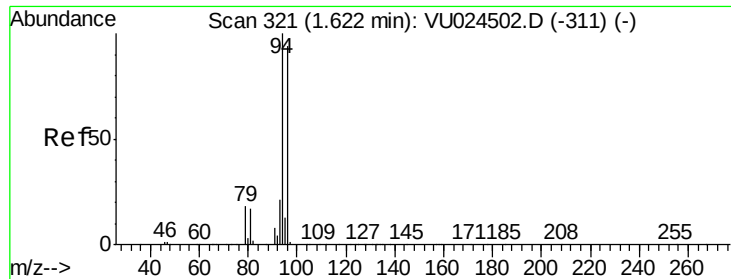
Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

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



Time-->





#5

Bromomethane

Concen: 0.50 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

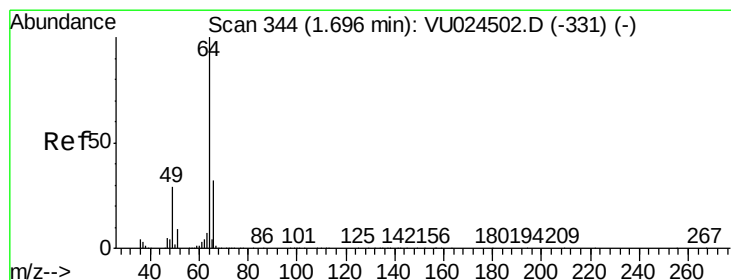
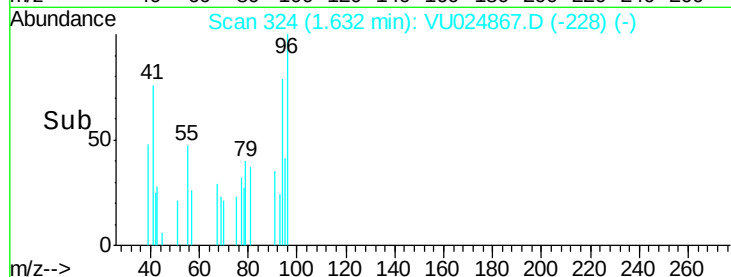
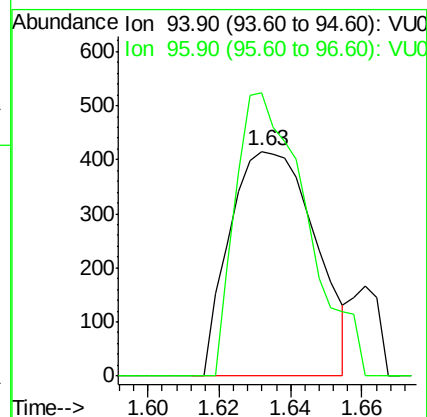
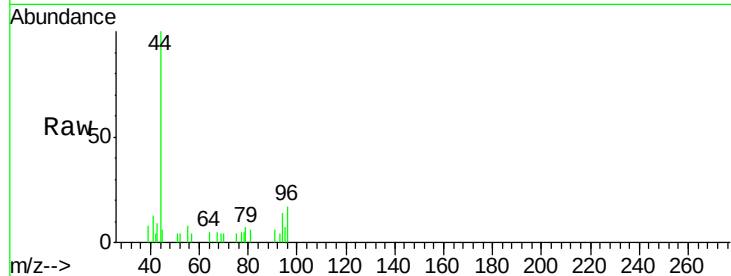
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 688

Ion Ratio Lower Upper

94 100

96 126.0 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024867.D

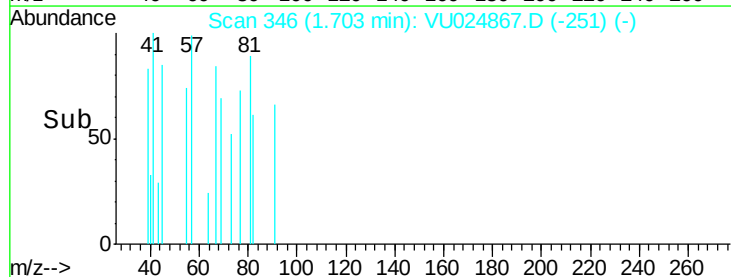
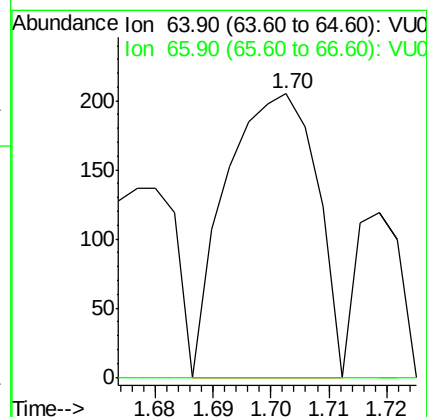
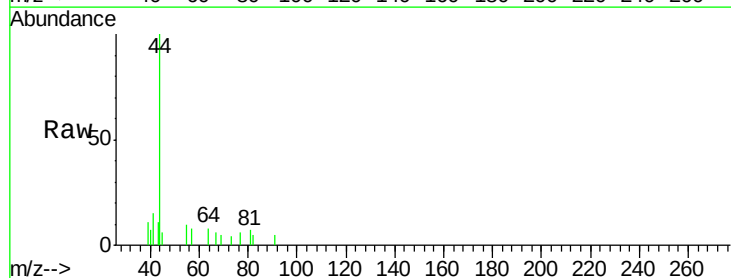
Acq: 25 Jun 2018 12:05

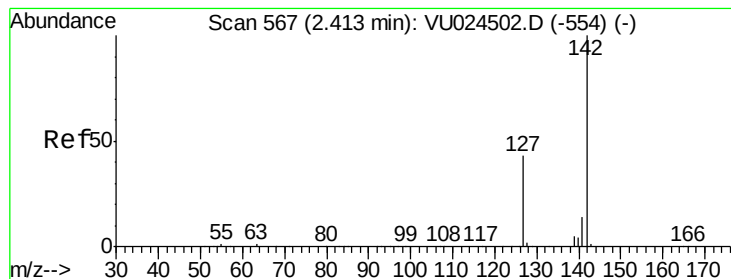
Tgt Ion: 64 Resp: 222

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methvl Iodide

Concen: 5.50 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

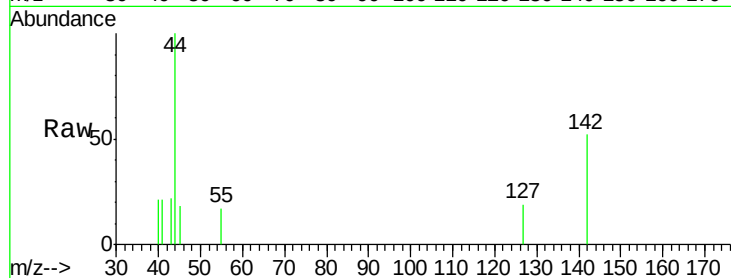
Tot Ion:142 Resp: 532

Ion Ratio Lower Upper

142 100

127 32.3 35.6 53.4#

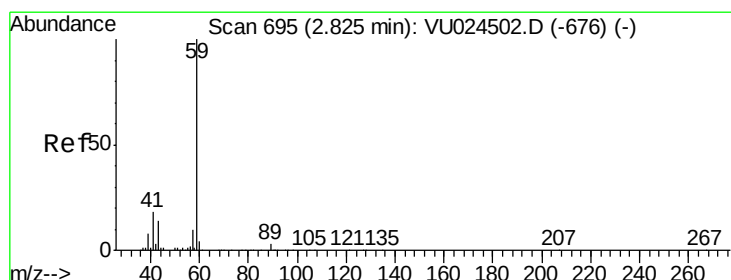
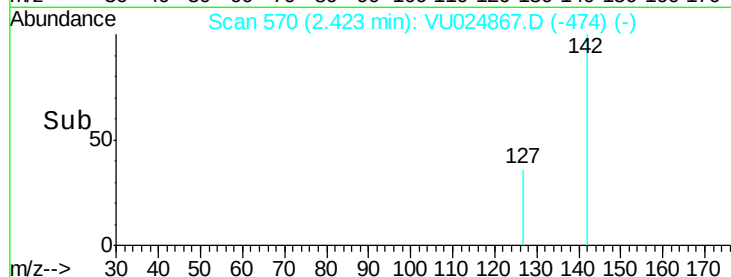
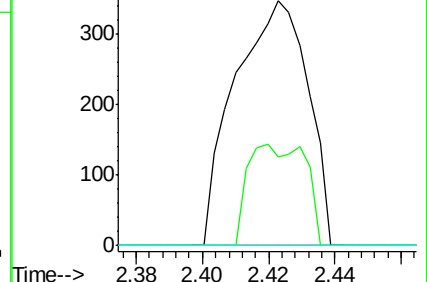
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 1.27 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VU024867.D

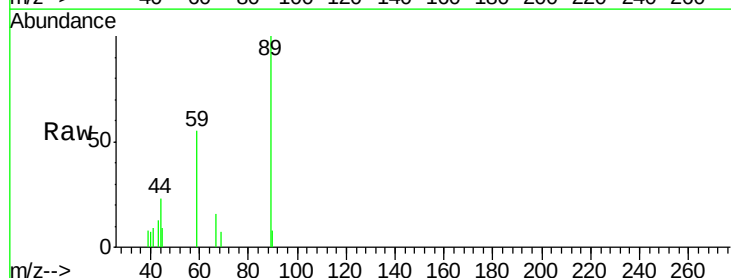
Acq: 25 Jun 2018 12:05

Tgt Ion: 59 Resp: 1083

Ion Ratio Lower Upper

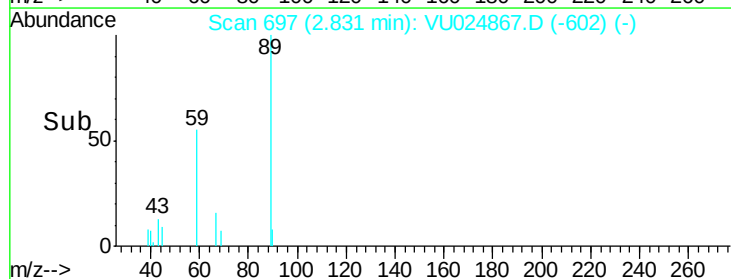
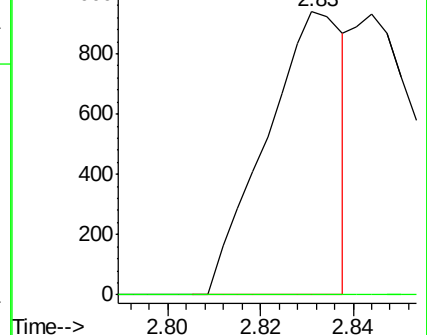
59 100

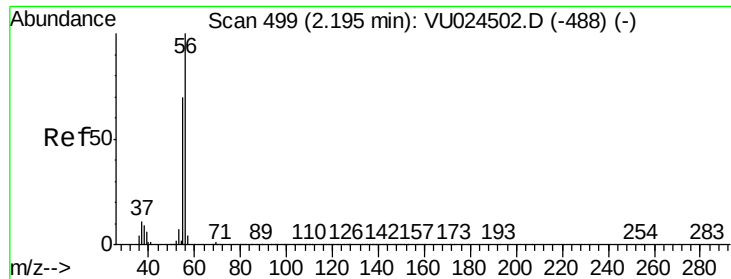
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

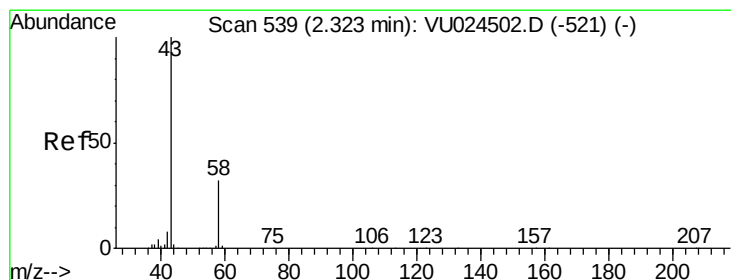
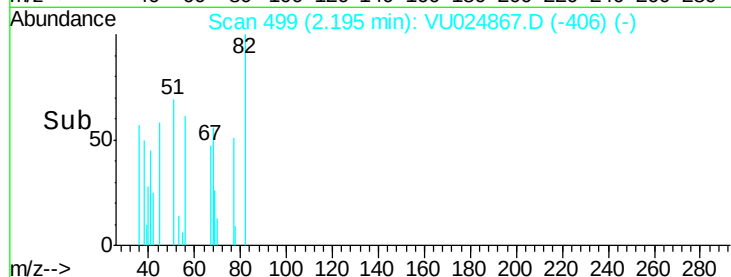
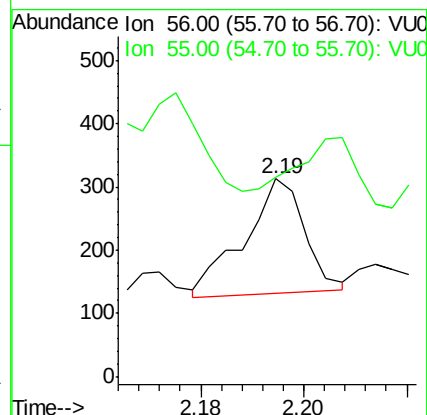
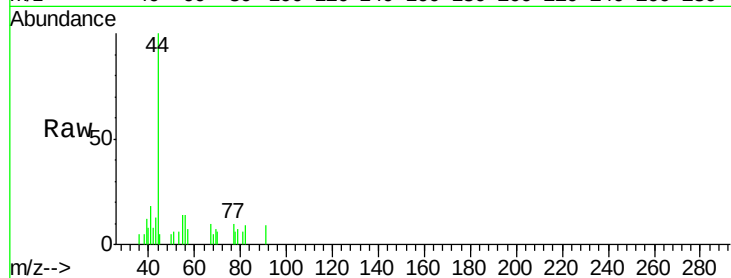




#13
Acrolein
Concen: 0.33 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU024867.D
Acq: 25 Jun 2018 12:05

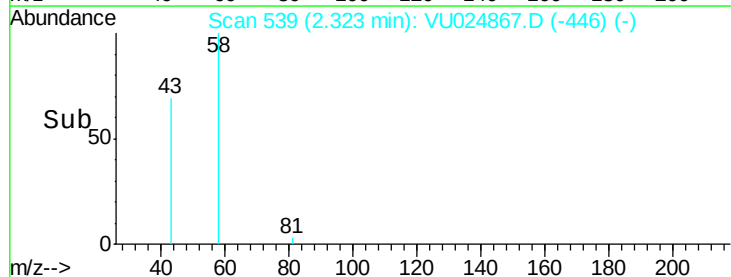
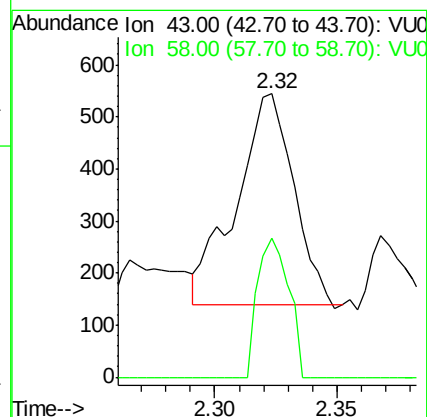
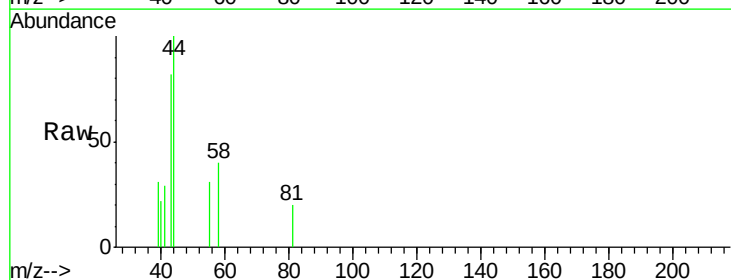
Instrument :
MSVOA_U
ClientSampleId :

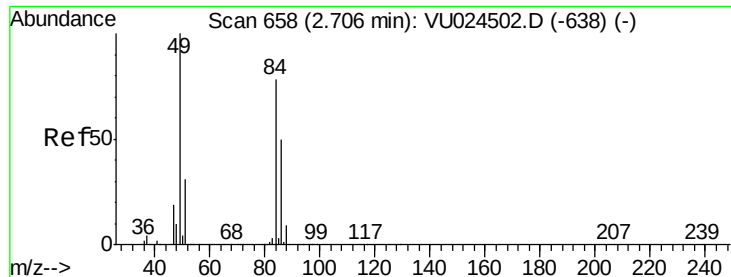
Tot Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 0.35 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU024867.D
Acq: 25 Jun 2018 12:05

Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
58 66.1 24.4 36.6#

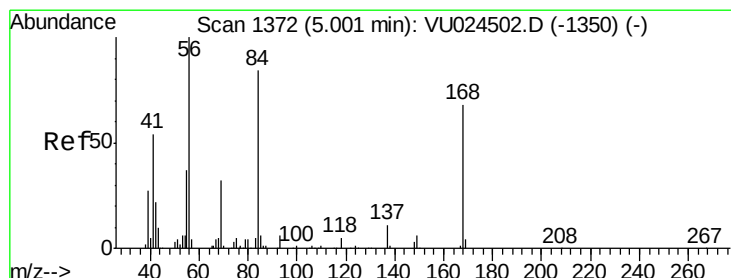
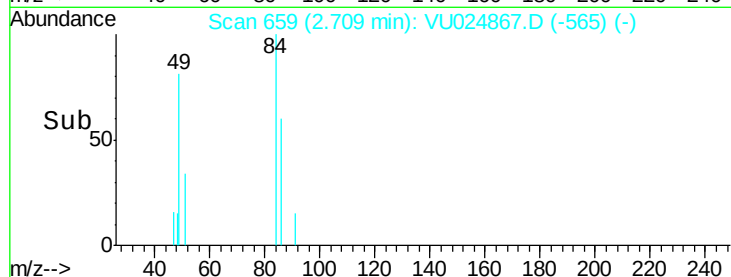
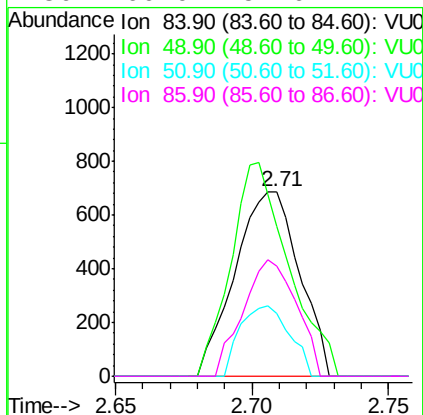
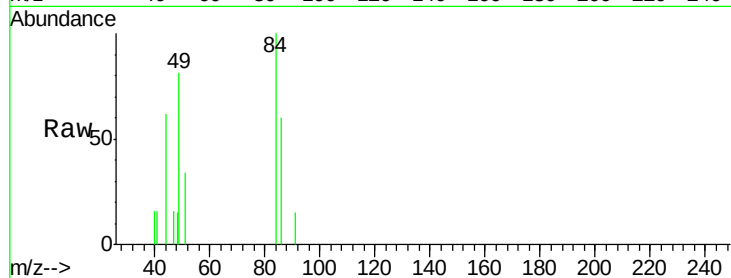




#20
Methylene Chloride
Concen: 0.38 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU024867.D
Acq: 25 Jun 2018 12:05

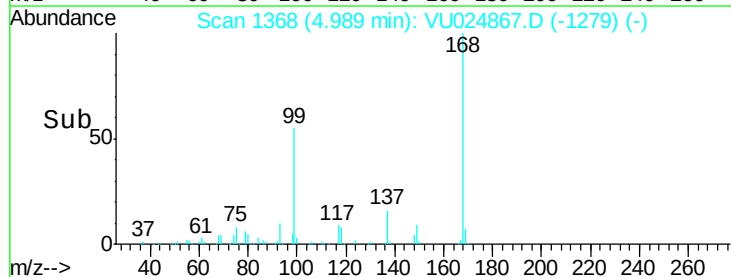
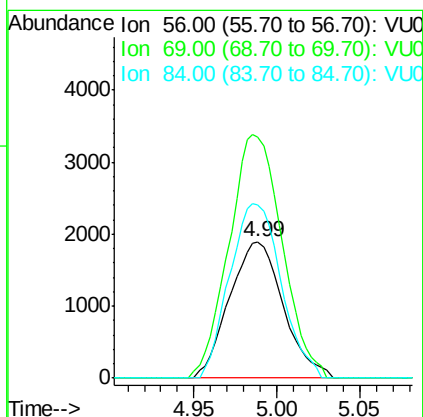
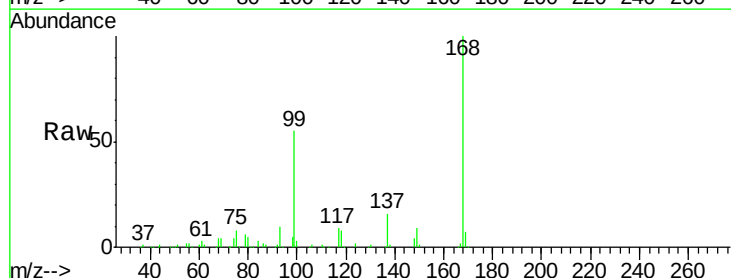
Instrument :
MSVOA_U
ClientSampleId :

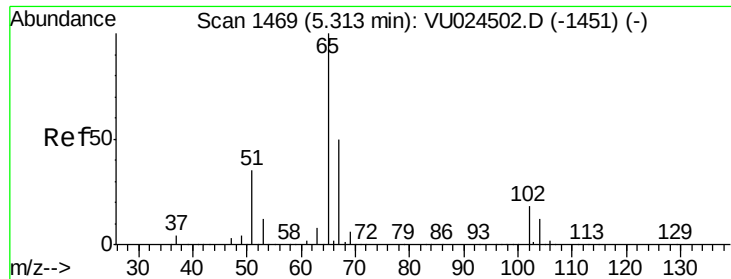
Tot Ion:	84	Resp:	1119
Ion	Ratio	Lower	Upper
84	100		
49	81.1	103.8	155.8#
51	33.8	32.0	48.0
86	60.0	51.6	77.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024867.D
Acq: 25 Jun 2018 12:05

Tgt Ion:	56	Resp:	4277
Ion	Ratio	Lower	Upper
56	100		
69	177.1	24.8	37.2#
84	127.5	65.2	97.8#

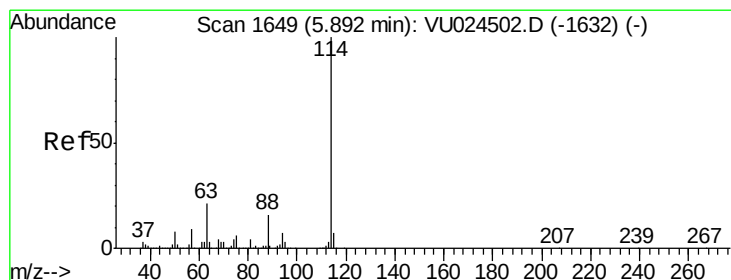
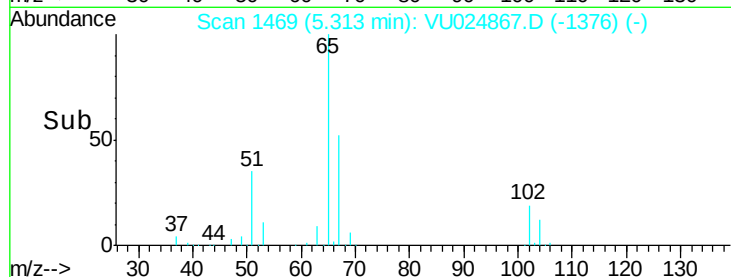
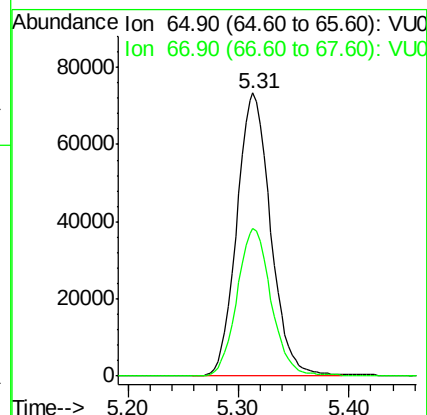
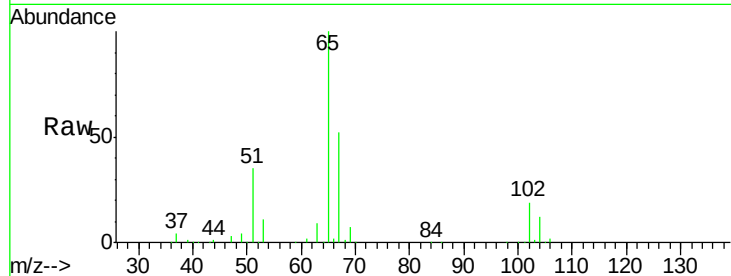




#33
 1,2-Dichloroethane-d4
 Concen: 44.64 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024867.D
 Acq: 25 Jun 2018 12:05

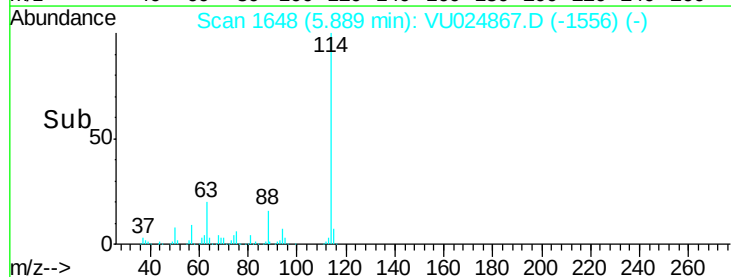
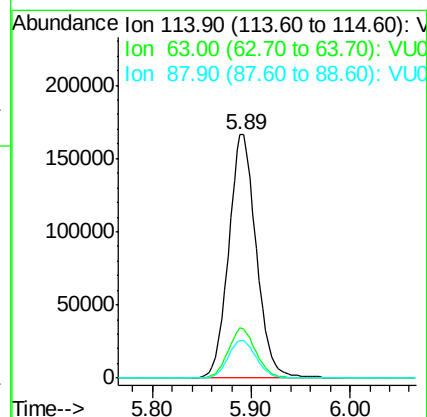
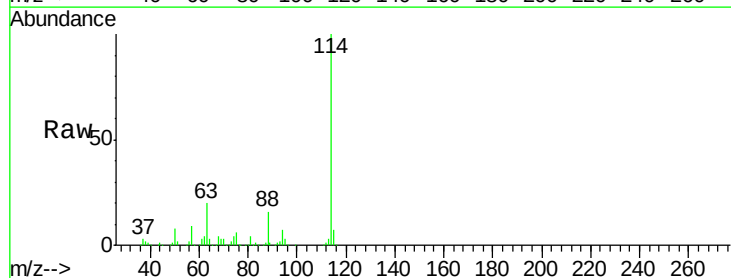
Instrument :
 MSVOA_U
 ClientSampleId :

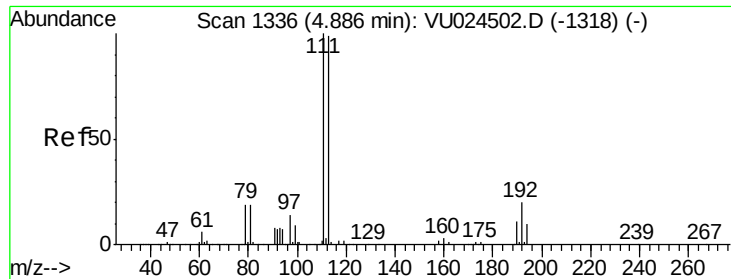
Tot Ion: 65 Resp: 156041
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024867.D
 Acq: 25 Jun 2018 12:05

Tgt Ion: 114 Resp: 325665
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 15.6 0.0 31.0

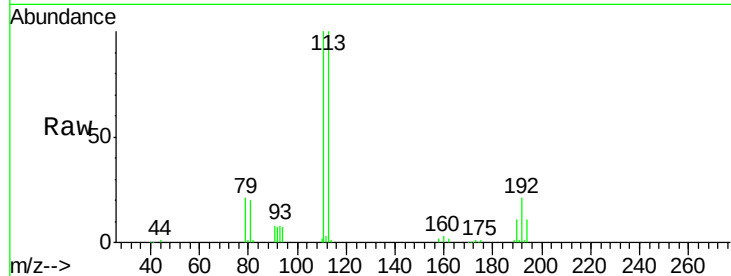




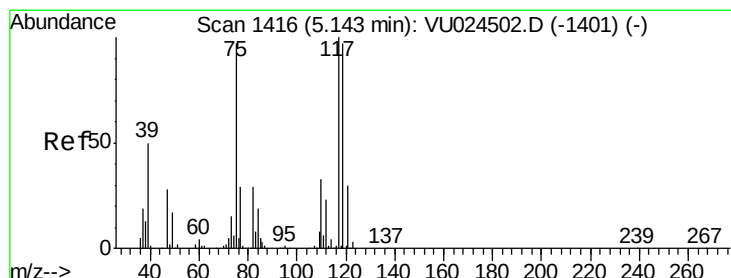
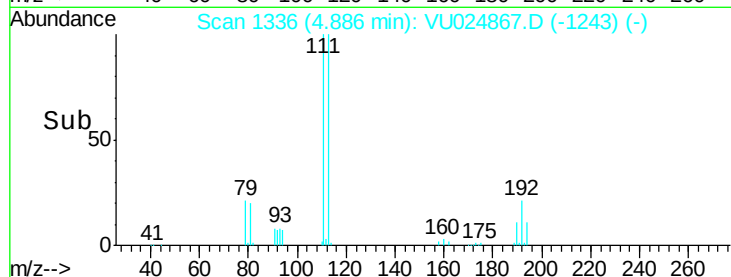
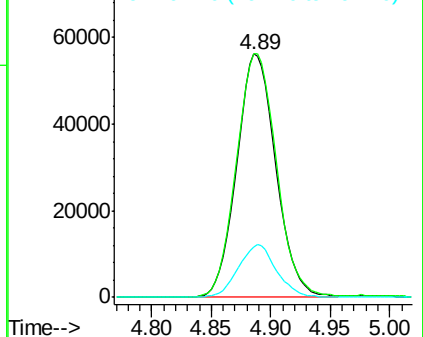
#35
 Dibromofluoromethane
 Concen: 47.34 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024867.D
 Acq: 25 Jun 2018 12:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.1	16.2	24.4

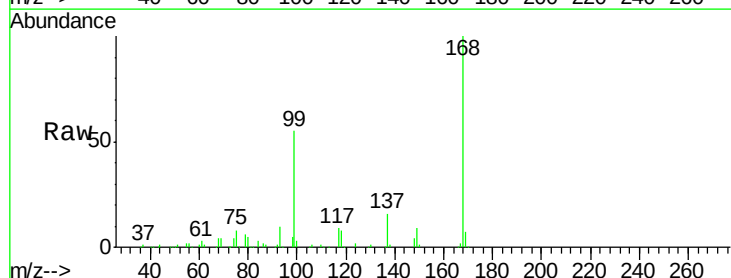


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

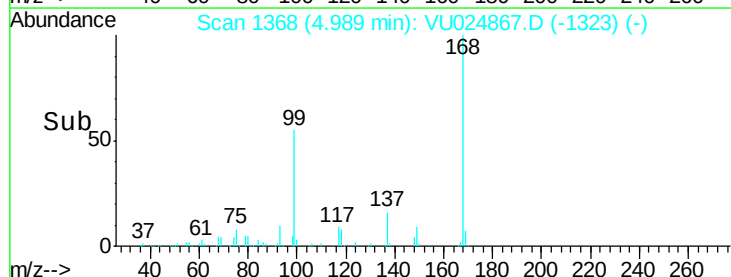
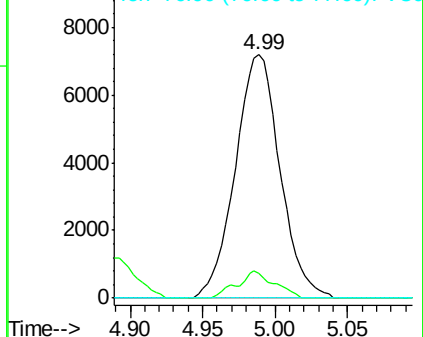


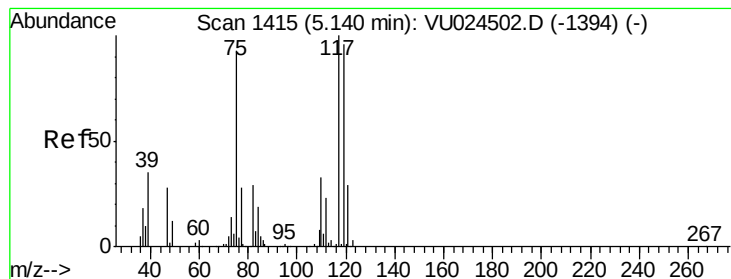
#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024867.D
 Acq: 25 Jun 2018 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	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: 4.83 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

Instrument :
MSVOA_U
ClientSampleId :

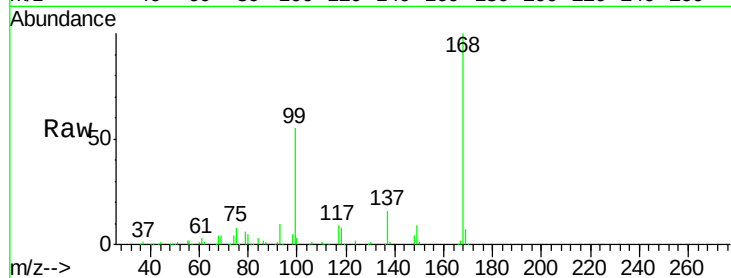
Tot Ion:117 Resp: 20308

Ion Ratio Lower Upper

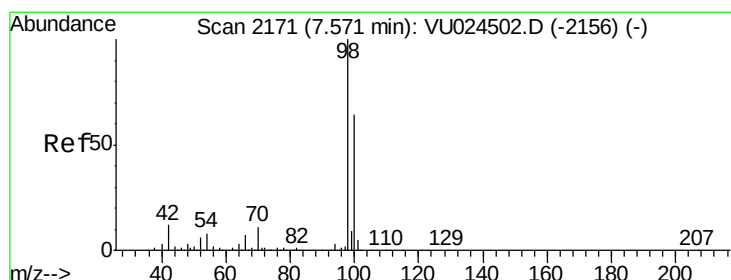
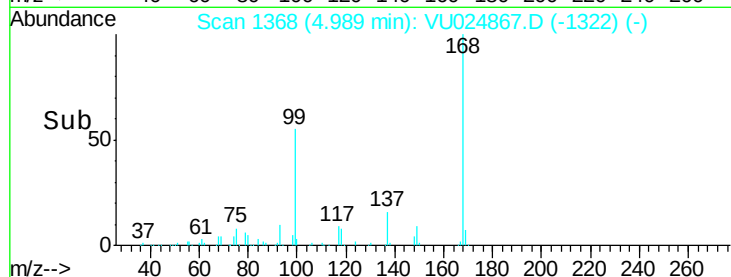
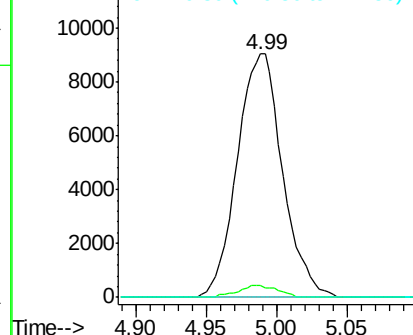
117 100

119 4.8 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



#50

Toluene-d8

Concen: 47.71 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024867.D

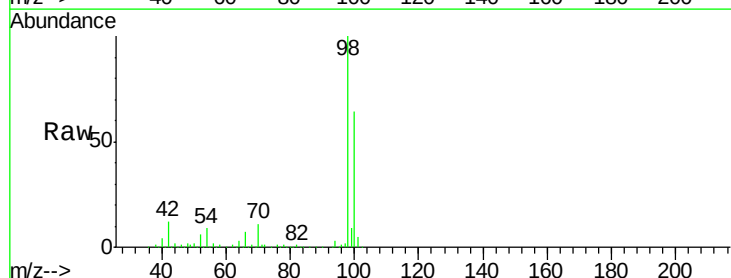
Acq: 25 Jun 2018 12:05

Tgt Ion: 98 Resp: 470383

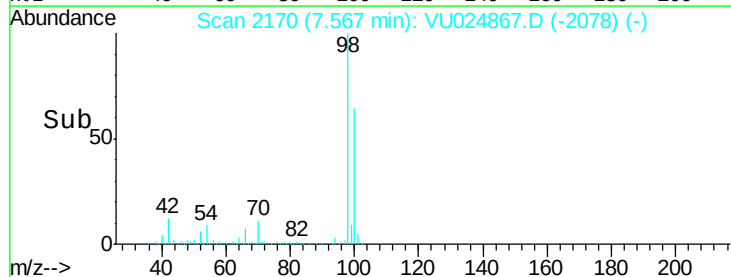
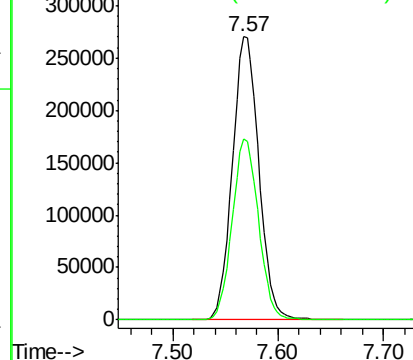
Ion Ratio Lower Upper

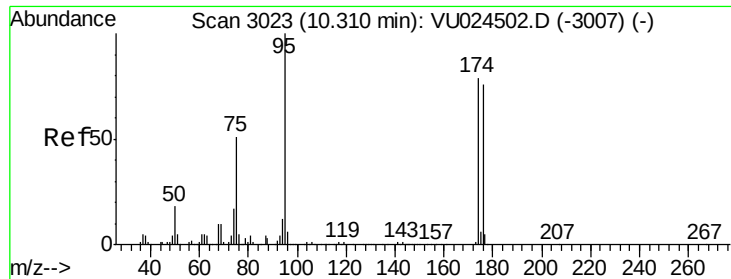
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 44.16 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

Instrument :

MSVOA_U

ClientSampled :

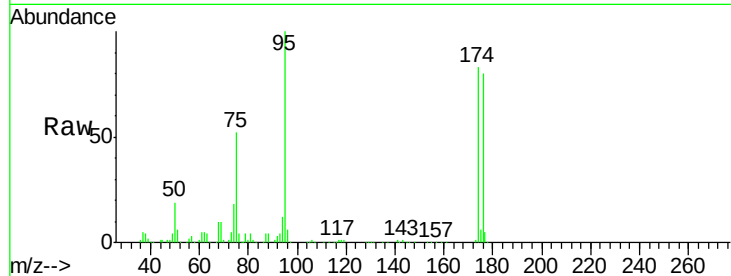
Tot Ion: 95 Resp: 172853

Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

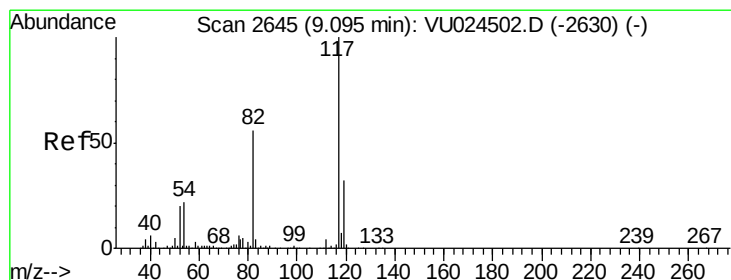
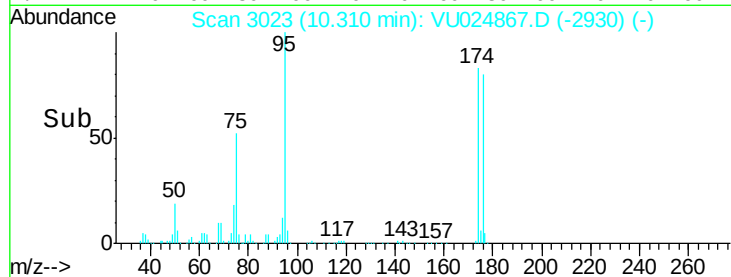
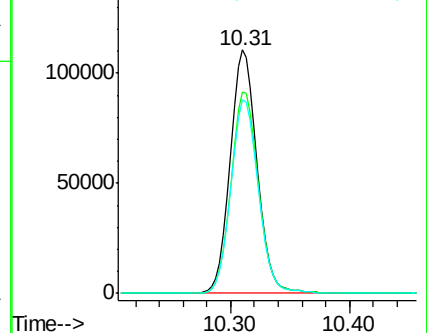
176 81.7 0.0 159.4



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

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

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



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

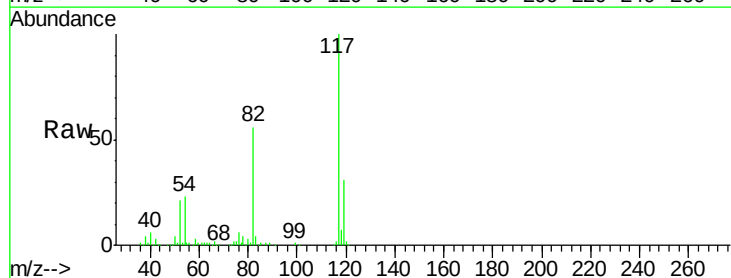
Tgt Ion: 117 Resp: 298671

Ion Ratio Lower Upper

117 100

82 55.7 44.3 66.5

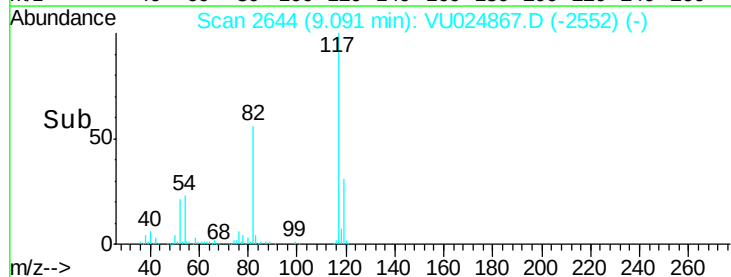
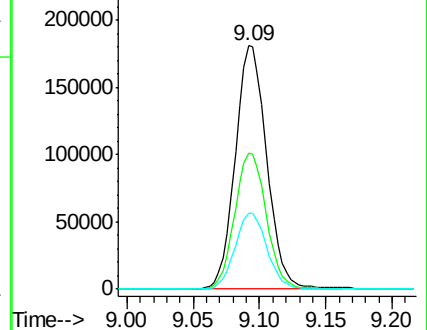
119 31.3 25.4 38.2

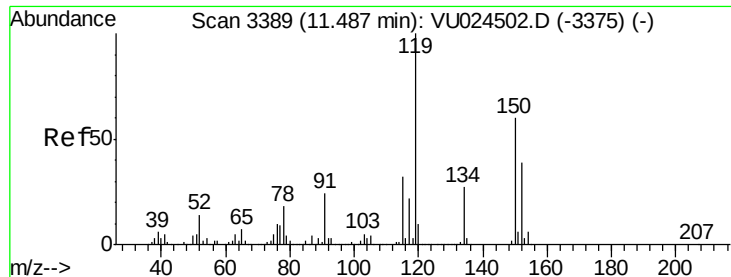


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

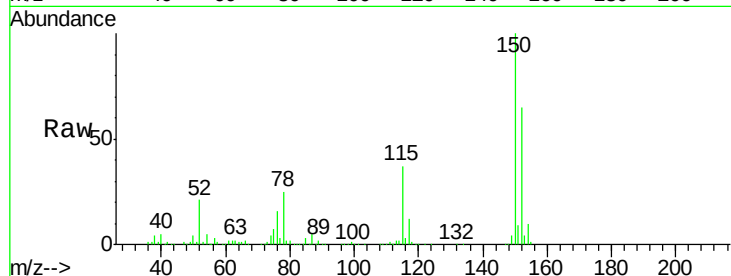
Tot Ion:152 Resp: 161915

Ion Ratio Lower Upper

152 100

115 57.2 43.0 129.0

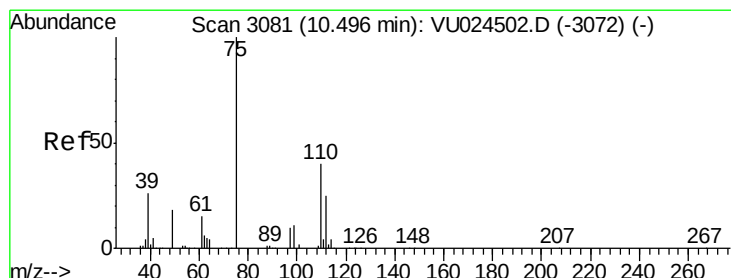
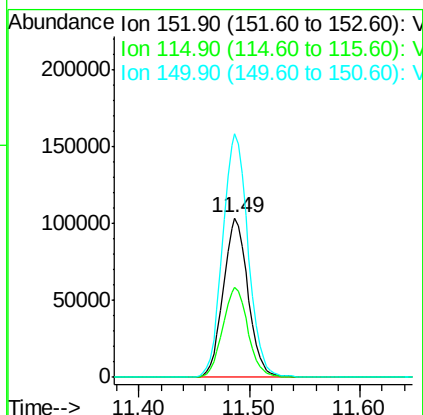
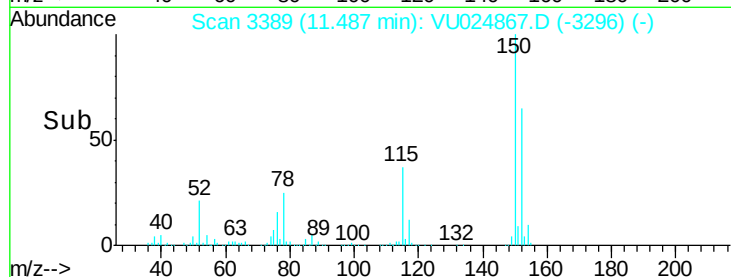
150 156.6 0.0 354.0



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: 25.35 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024867.D

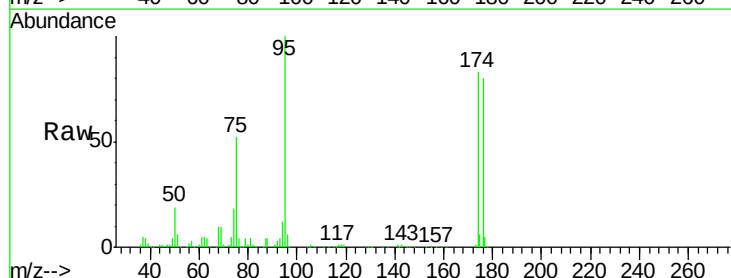
Acq: 25 Jun 2018 12:05

Tgt Ion: 75 Resp: 90354

Ion Ratio Lower Upper

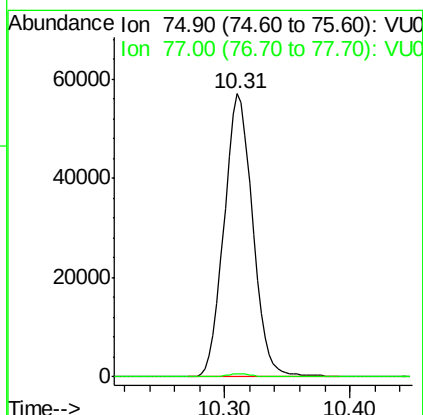
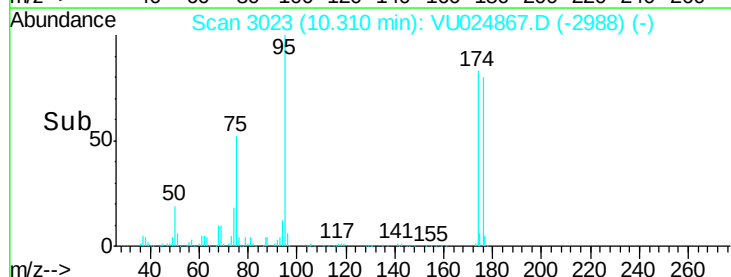
75 100

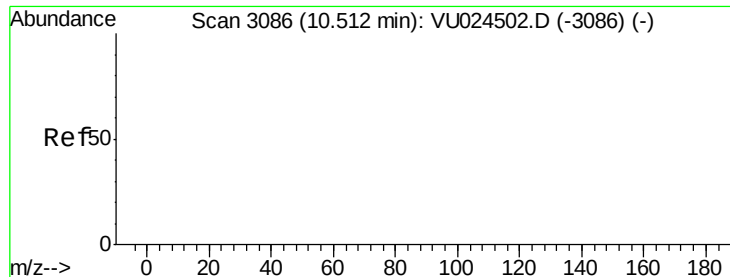
77 0.9 20.9 62.7#



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: 58.66 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

Instrument :

MSVOA_U

ClientSampleId :

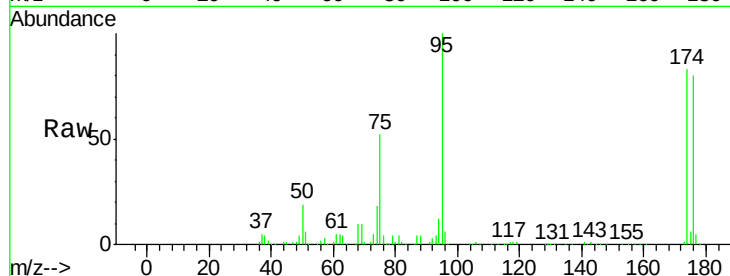
Tot Ion: 75 Resp: 90354

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

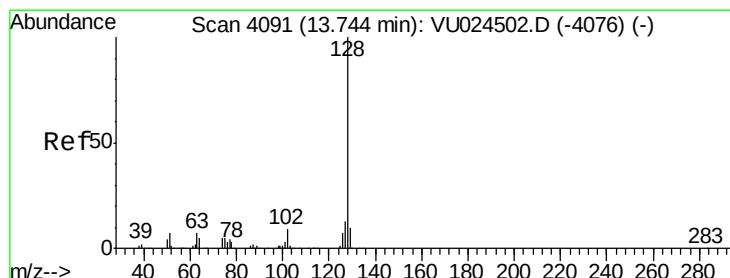
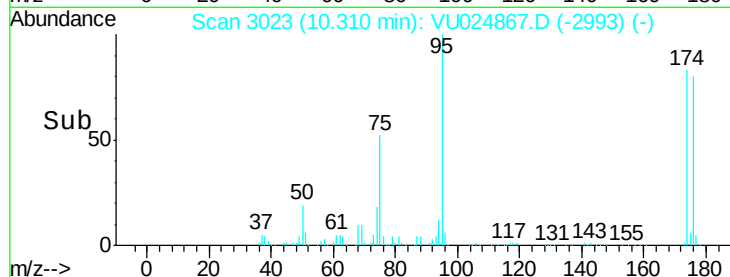
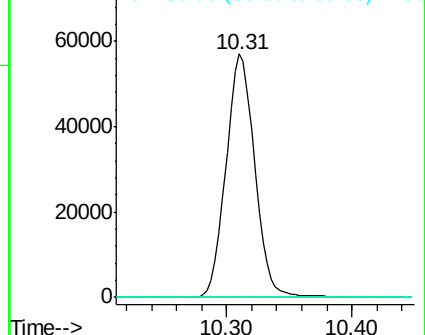
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.94 ug/l

RT: 13.76 min Scan# 4096

Delta R.T. 0.02 min

Lab File: VU024867.D

Acq: 25 Jun 2018 12:05

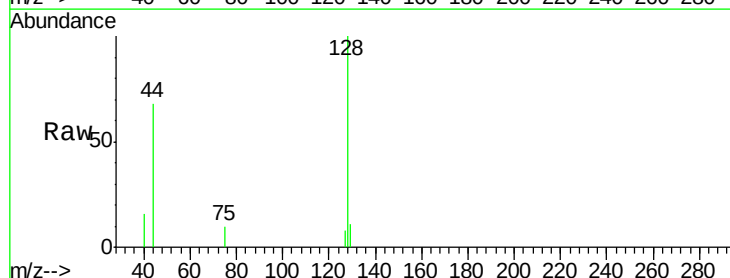
Tgt Ion:128 Resp: 3171

Ion Ratio Lower Upper

128 100

127 5.5 10.6 16.0#

129 4.7 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

