

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024782.D
 Acq On : 21 Jun 2018 02:02
 Operator : MD/SY
 Sample : J3585-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EQUIPMENT-BLANK

Quant Time: Jun 21 07:57:29 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

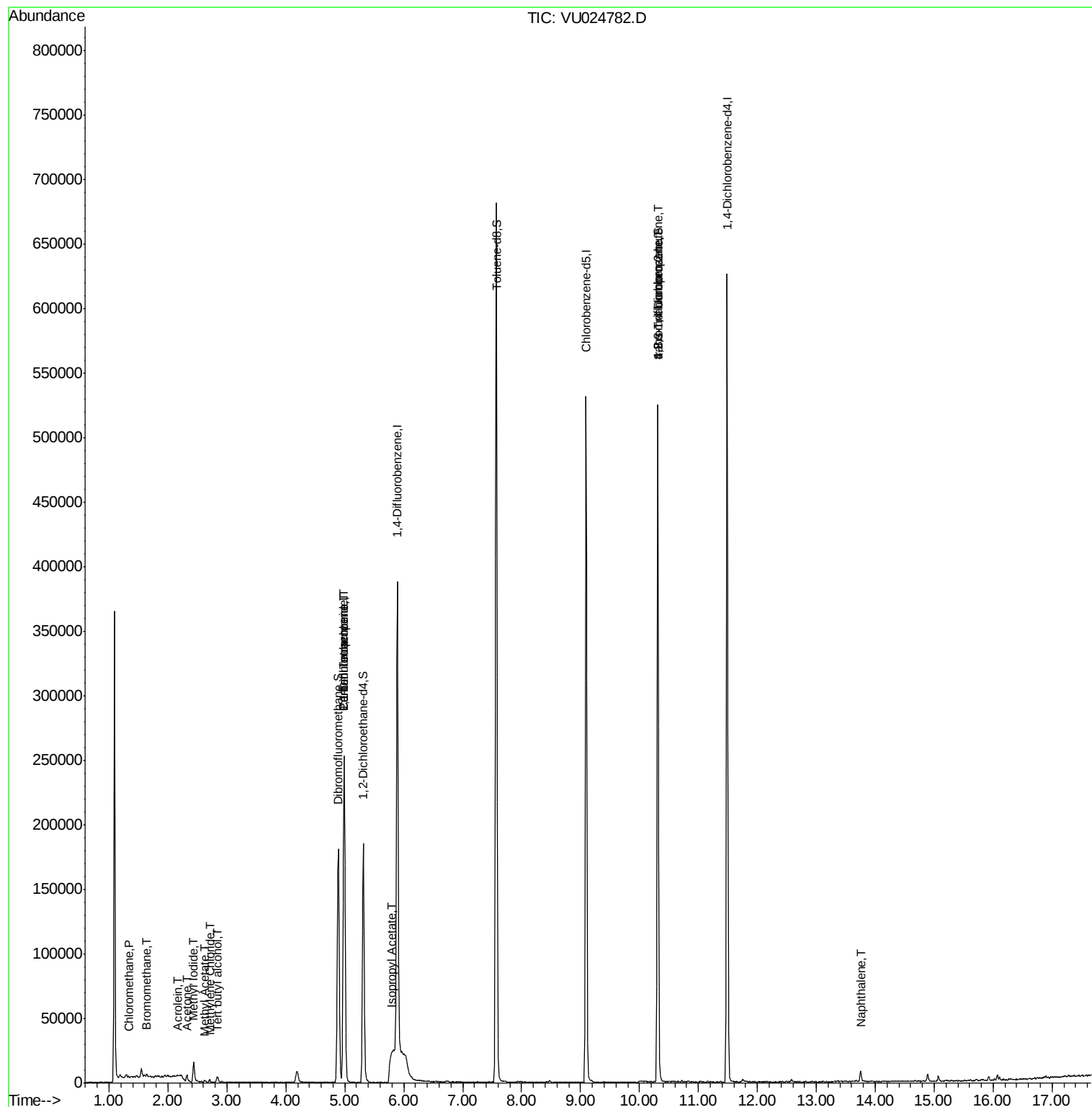
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202326	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	309938	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	291645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159788	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	140779	42.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.24%	
35) Dibromofluoromethane	4.89	113	120100	46.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.38%	
50) Toluene-d8	7.57	98	450404	48.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	10.31	95	165632	44.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1095	0.423	ug/l #	79
5) Bromomethane	1.64	94	671	0.520	ug/l #	61
6) Chloroethane	1.70	64	115	Below Cal	#	43
10) Methyl Iodide	2.42	142	302	5.415	ug/l #	40
11) Tert butyl alcohol	2.84	59	2489	3.098	ug/l #	78
13) Acrolein	2.18	56	163	0.386	ug/l #	77
16) Acetone	2.32	43	4680	2.637	ug/l	91
18) Methyl Acetate	2.62	43	1270	0.334	ug/l	99
20) Methylene Chloride	2.70	84	840	0.302	ug/l #	93
31) Cyclohexane	4.98	56	2066	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14352	3.941	ug/l #	50
38) Carbon Tetrachloride	4.99	117	18579	4.639	ug/l #	16
43) Isopropyl Acetate	5.79	43	23495	3.424	ug/l #	62
76) 1,2,3-Trichloropropane	10.31	75	86367	24.550	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	86367	56.820	ug/l #	100
95) Naphthalene	13.75	128	7433	1.303	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

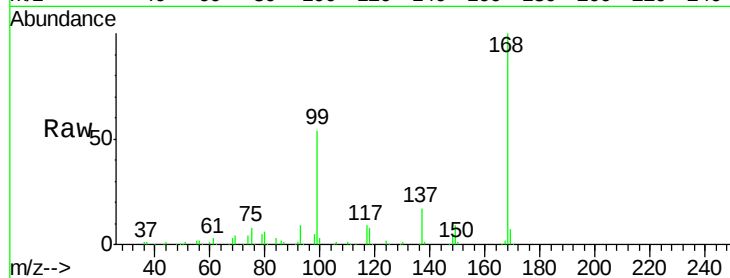
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Tgt Ion:168 Resp: 202326

Ion Ratio Lower Upper

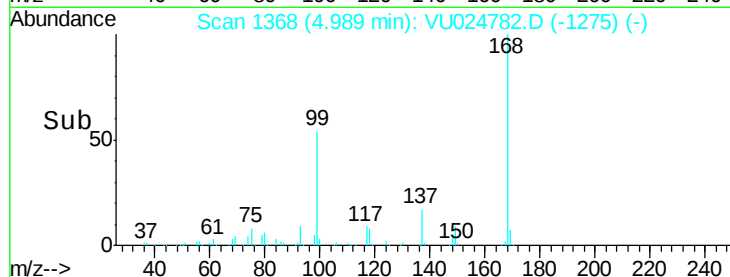
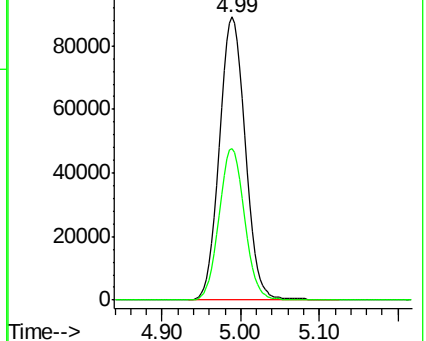
168 100

99 53.6 43.2 64.8



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

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



#3

Chloromethane

Concen: 0.423 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU024782.D

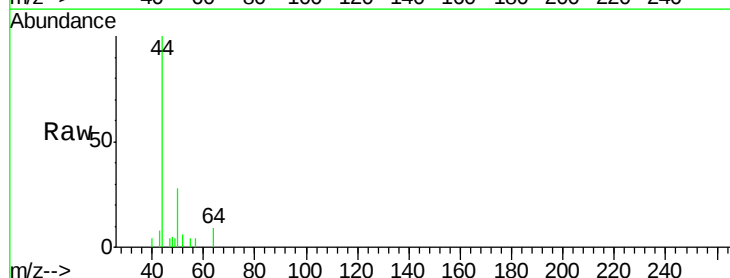
Acq: 21 Jun 2018 02:02

Tgt Ion: 50 Resp: 1095

Ion Ratio Lower Upper

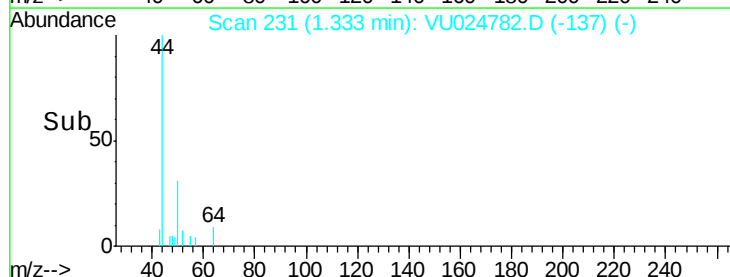
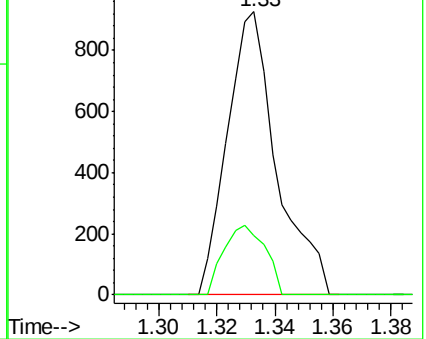
50 100

52 20.9 26.4 39.6#



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

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





#5

Bromomethane

Concen: 0.520 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

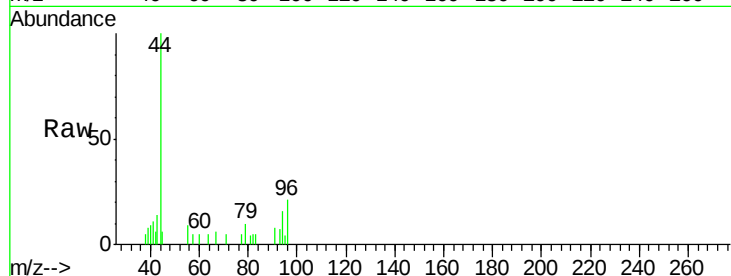
EQUIPMENT-BLANK

Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

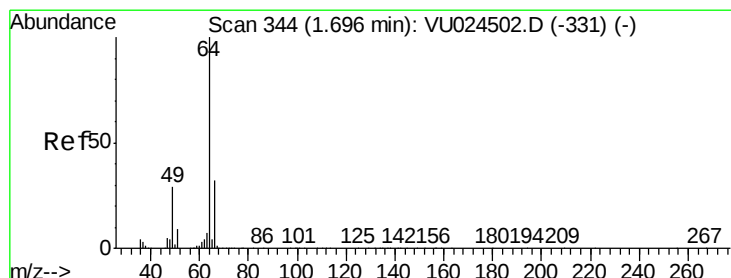
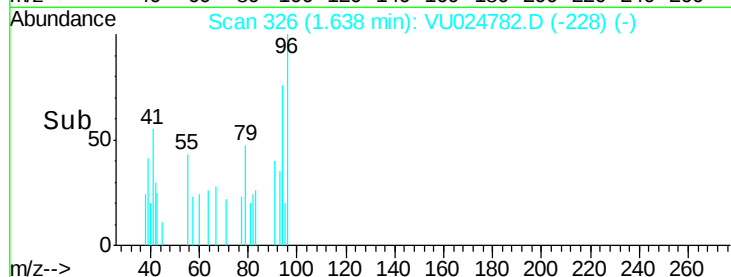
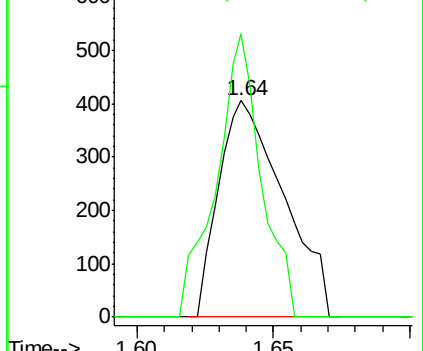
94 100

96 130.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024782.D

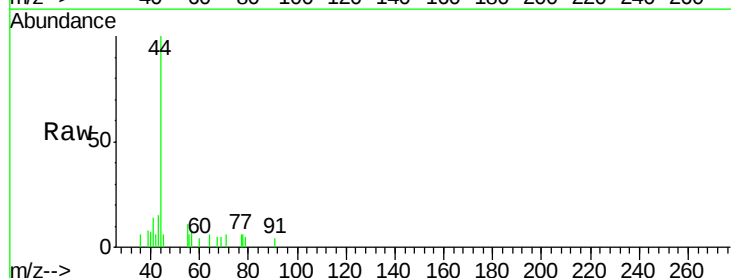
Acq: 21 Jun 2018 02:02

Tgt Ion: 64 Resp: 115

Ion Ratio Lower Upper

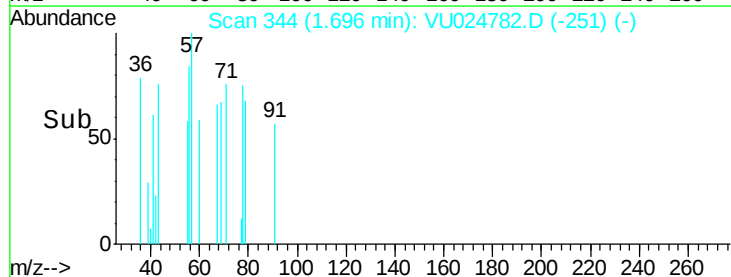
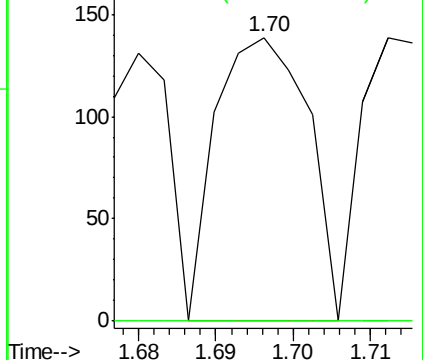
64 100

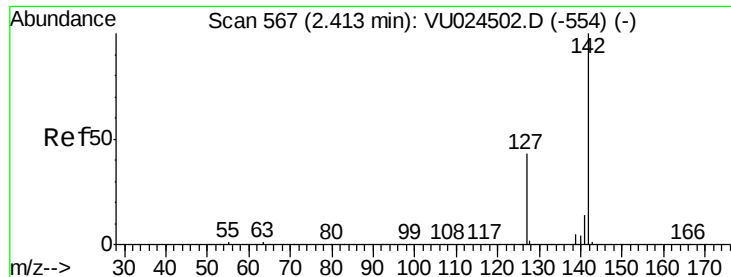
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.415 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

EQUIPMENT-BLANK

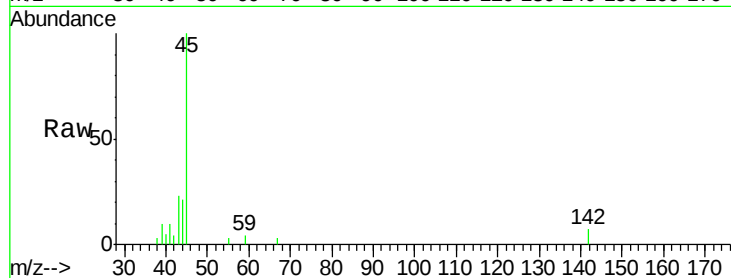
Tgt Ion:142 Resp: 302

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

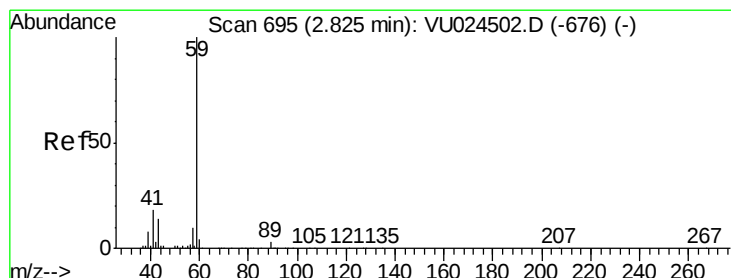
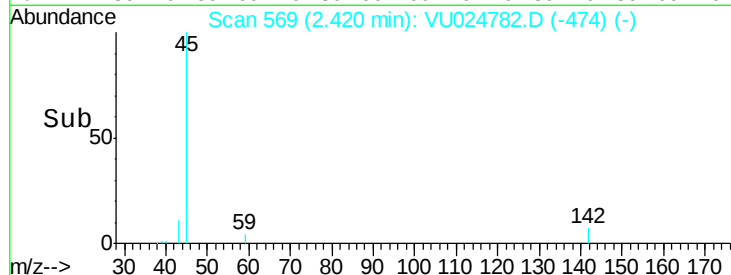
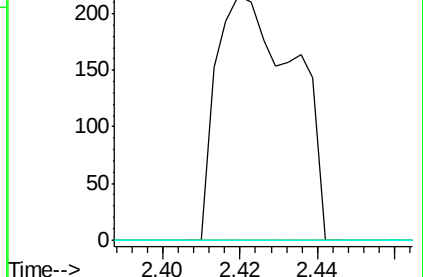
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 3.098 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024782.D

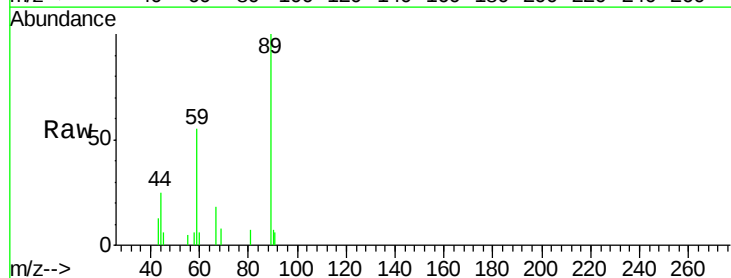
Acq: 21 Jun 2018 02:02

Tgt Ion: 59 Resp: 2489

Ion Ratio Lower Upper

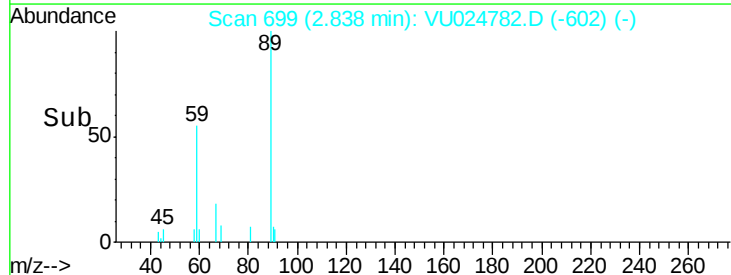
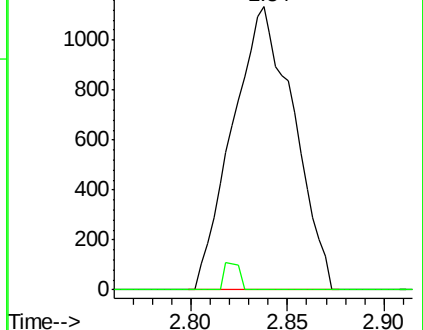
59 100

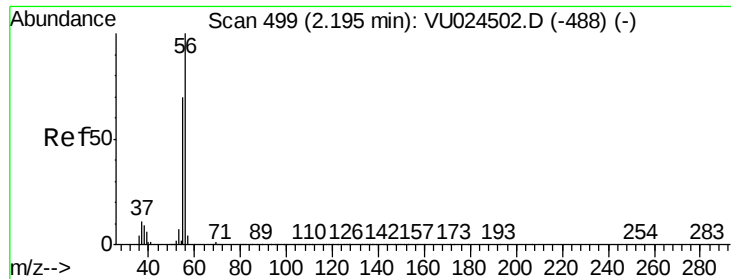
57 2.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: 0.386 ug/l

RT: 2.18 min Scan# 494

Delta R.T. -0.02 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

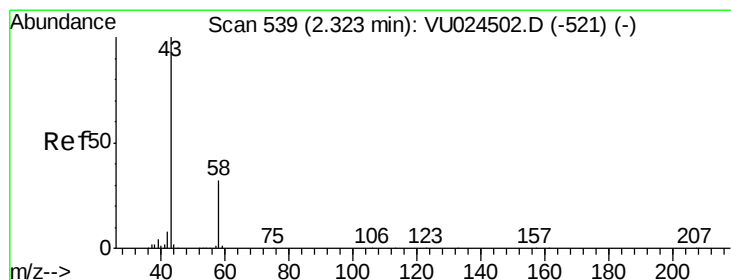
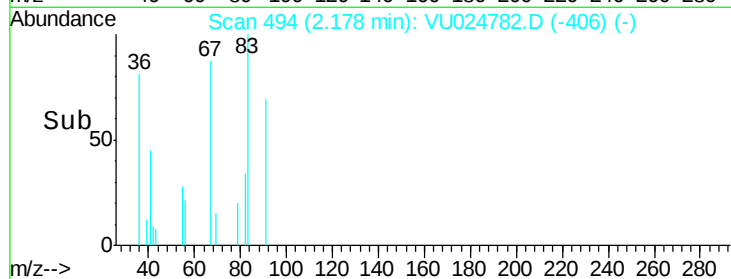
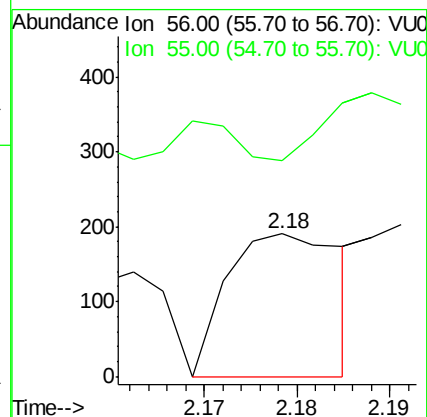
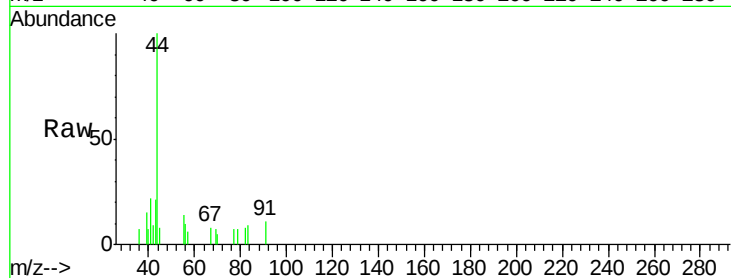
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Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 92.6 58.4 87.6#



#16

Acetone

Concen: 2.637 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024782.D

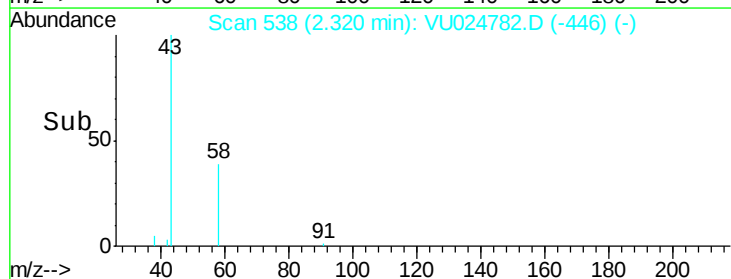
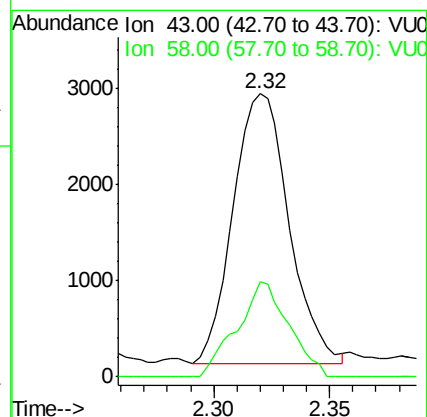
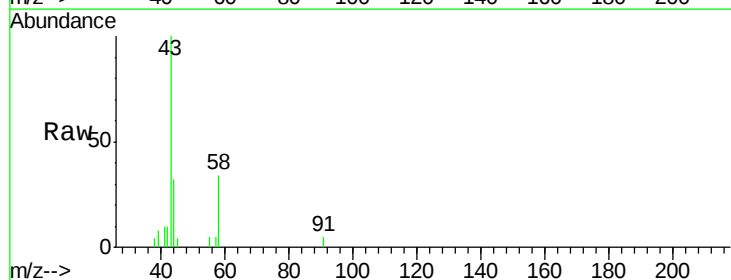
Acq: 21 Jun 2018 02:02

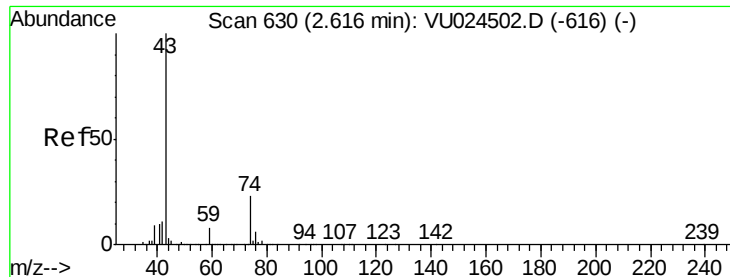
Tgt Ion: 43 Resp: 4680

Ion Ratio Lower Upper

43 100

58 35.5 24.4 36.6

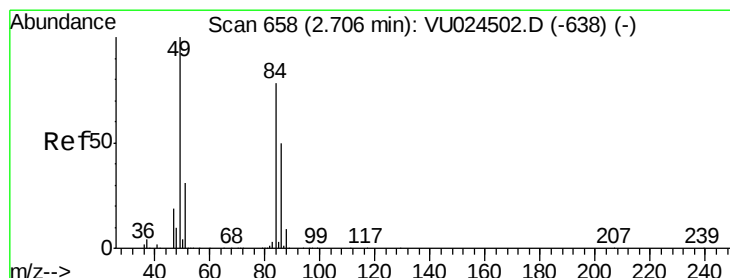
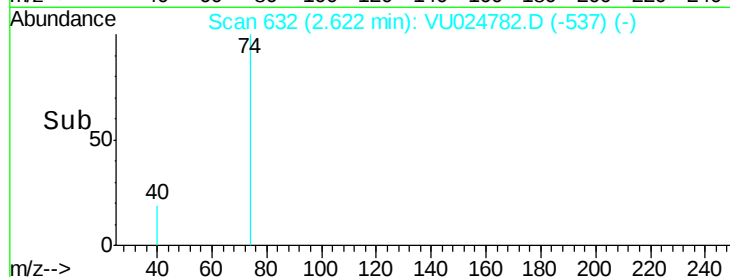
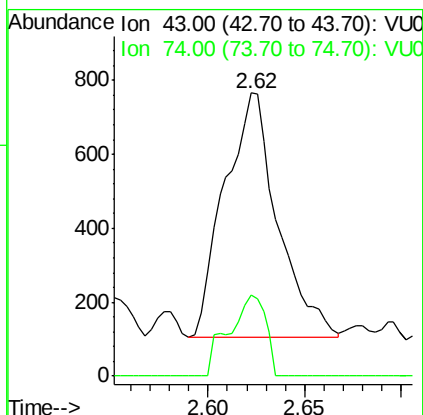
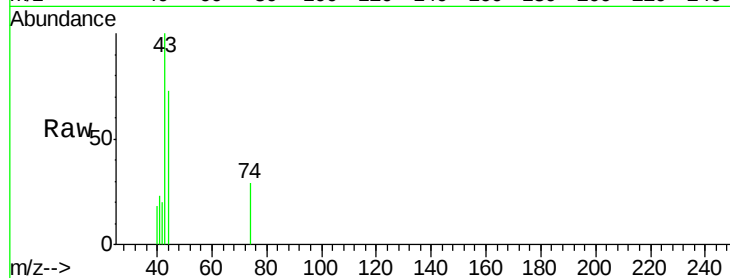




#18
Methyl Acetate
Concen: 0.334 ug/l
RT: 2.62 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU024782.D
Acq: 21 Jun 2018 02:02

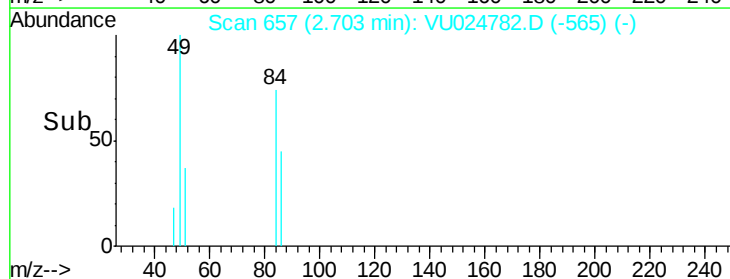
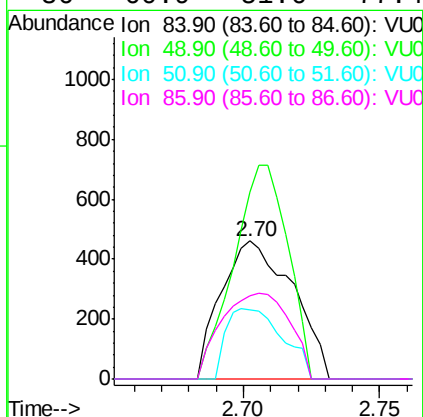
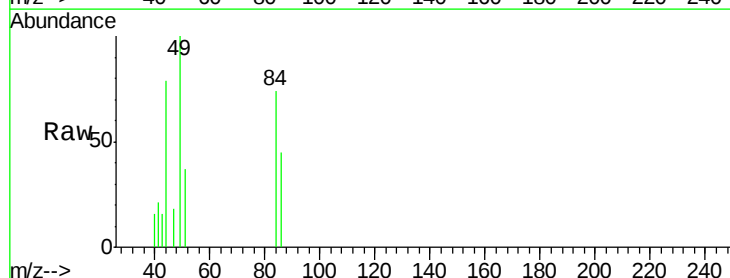
Instrument :
MSVOA_U
ClientSampleId :
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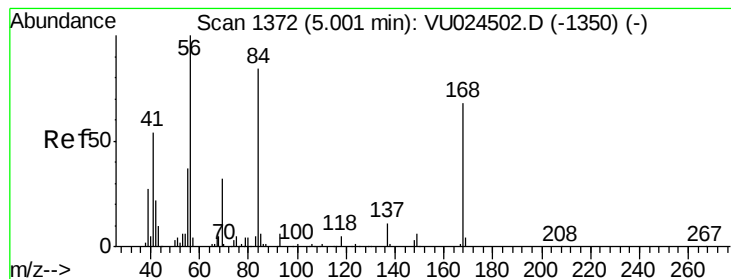
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0



#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024782.D
Acq: 21 Jun 2018 02:02

Tgt Ion: 84 Resp: 840
Ion Ratio Lower Upper
84 100
49 135.7 103.8 155.8
51 50.7 32.0 48.0#
86 60.9 51.6 77.4





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

EQUIPMENT-BLANK

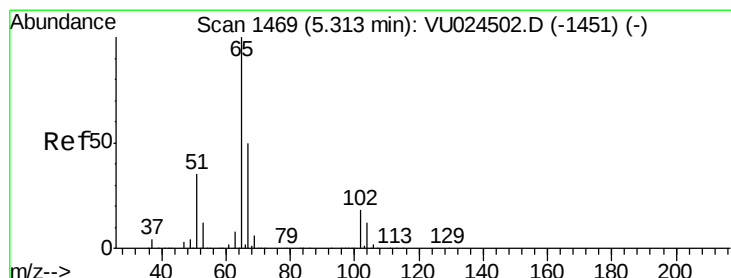
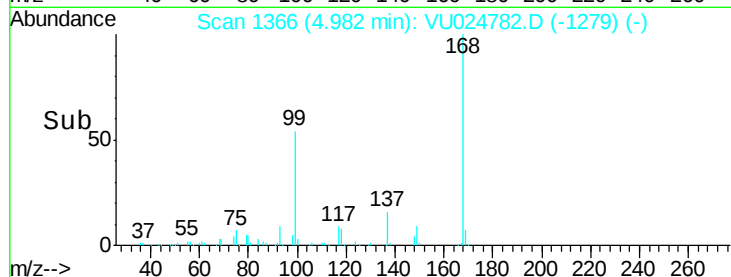
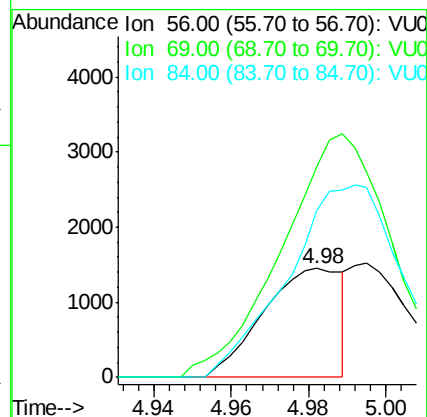
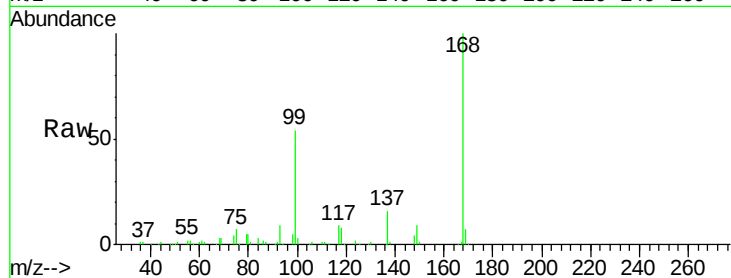
Tgt Ion: 56 Resp: 2066

Ion Ratio Lower Upper

56 100

69 182.6 24.8 37.2#

84 153.1 65.2 97.8#



#33

1,2-Dichloroethane-d4

Concen: 42.621 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024782.D

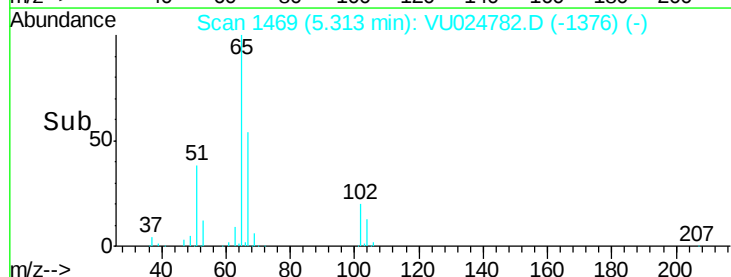
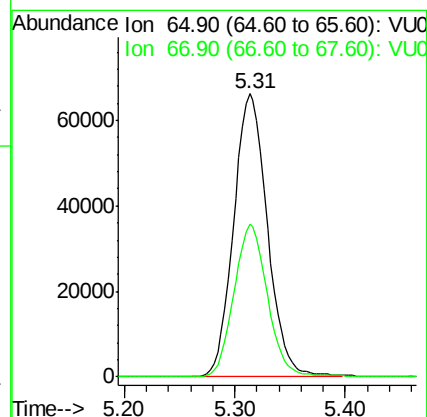
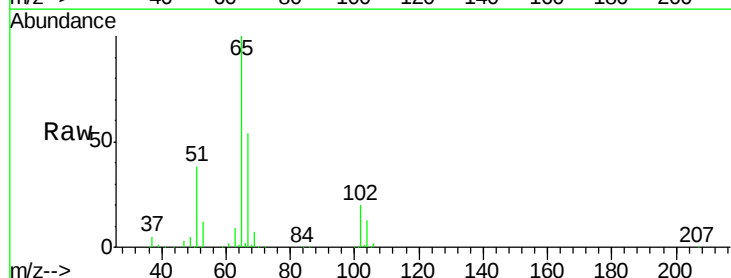
Acq: 21 Jun 2018 02:02

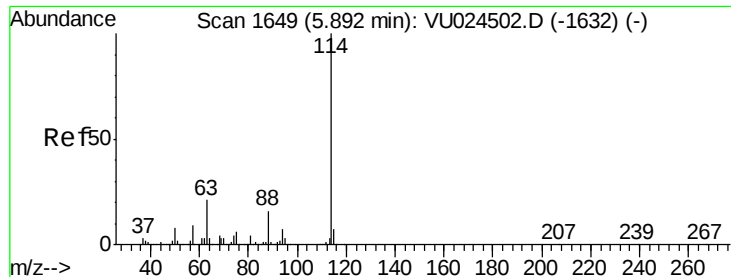
Tgt Ion: 65 Resp: 140779

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.0

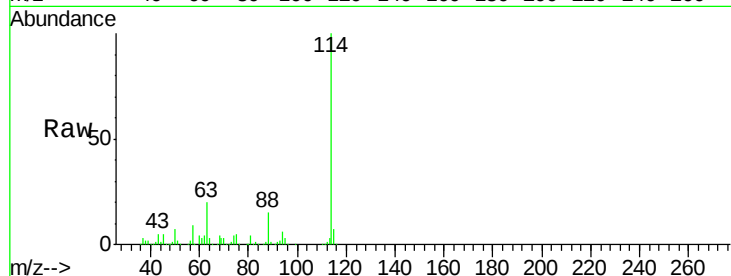




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024782.D
 Acq: 21 Jun 2018 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 EQUIPMENT-BLANK

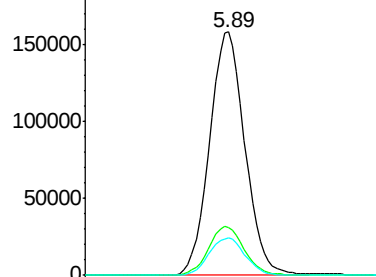
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	45.4
88	15.3	0.0	31.0



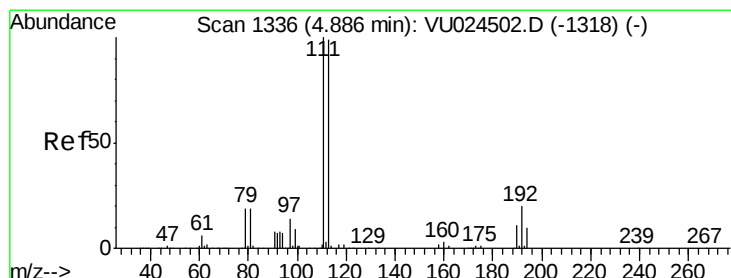
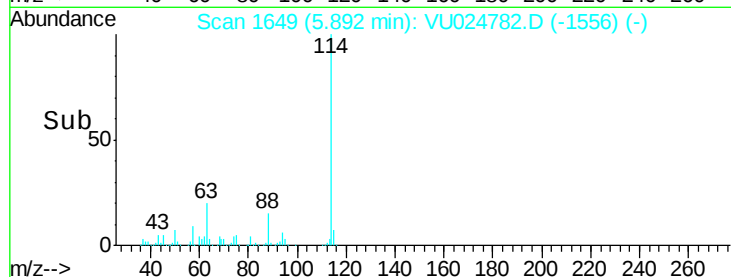
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

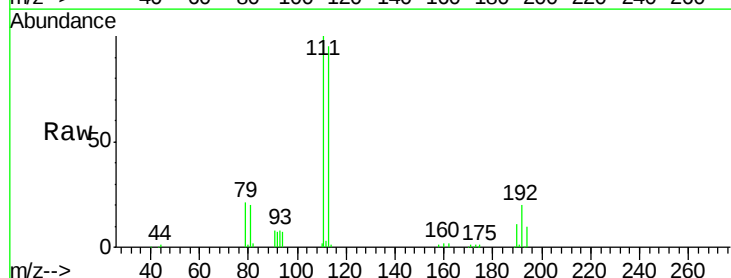


Time-->



#35
 Dibromofluoromethane
 Concen: 46.691 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024782.D
 Acq: 21 Jun 2018 02:02

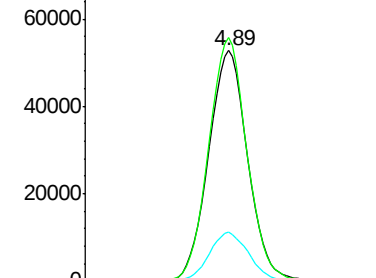
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	21.5	16.2	24.4



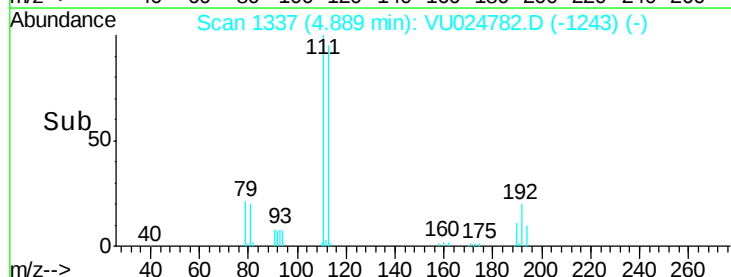
Abundance Ion 112.80 (112.50 to 113.50): V

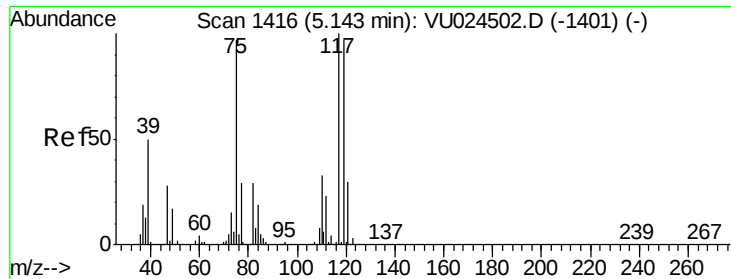
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->

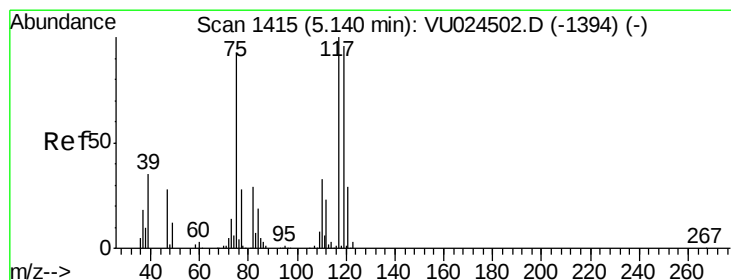
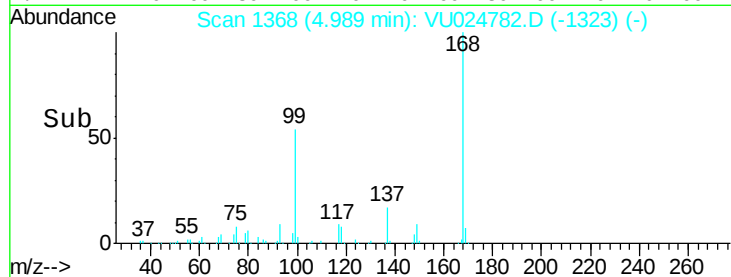
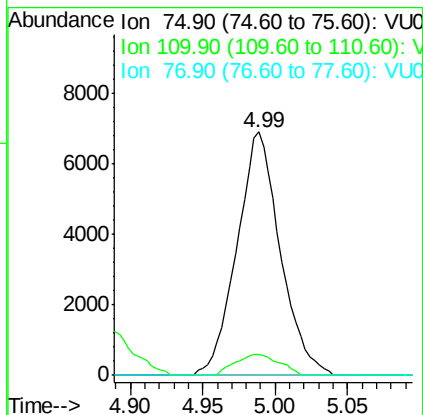
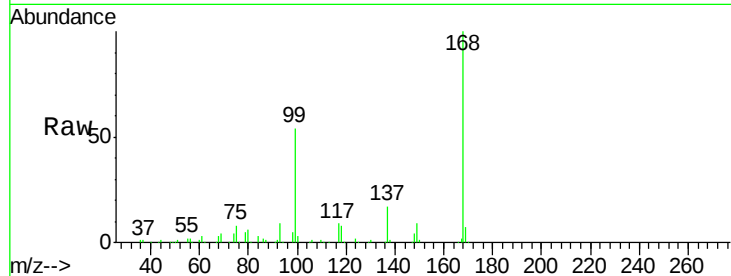




#36
 1,1-Dichloropropene
 Concen: 3.941 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024782.D
 Acq: 21 Jun 2018 02:02

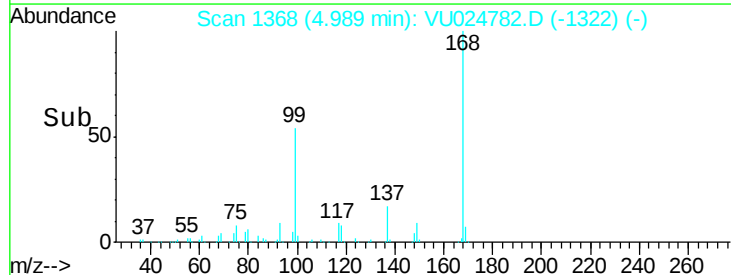
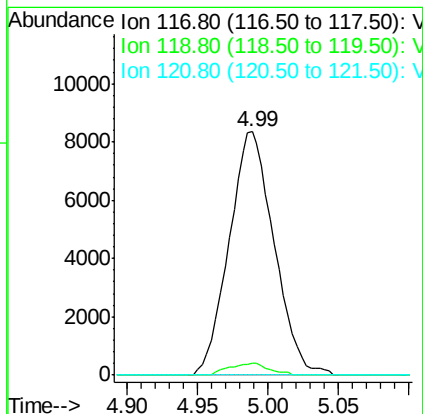
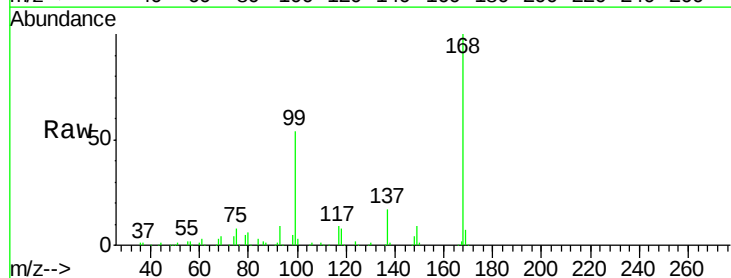
Instrument :
 MSVOA_U
 ClientSampleId :
 EQUIPMENT-BLANK

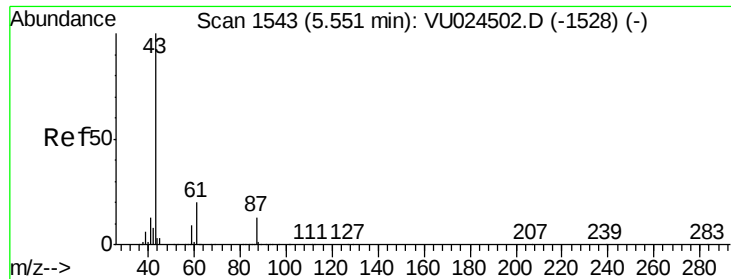
Tgt Ion: 75 Resp: 14352
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 50.9#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 4.639 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024782.D
 Acq: 21 Jun 2018 02:02

Tgt Ion: 117 Resp: 18579
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.1 114.1#
 121 0.0 23.7 35.5#

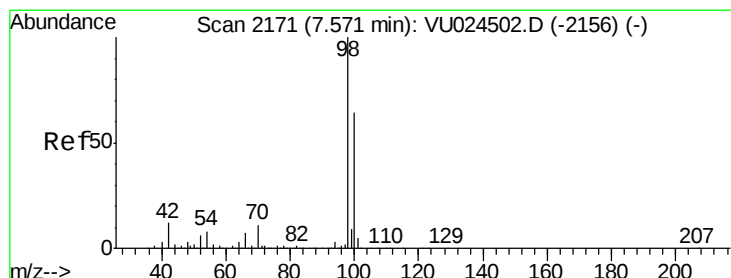
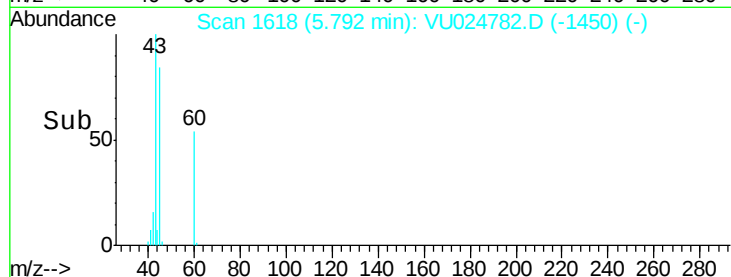
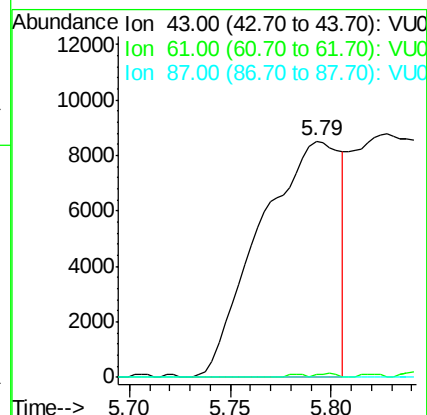
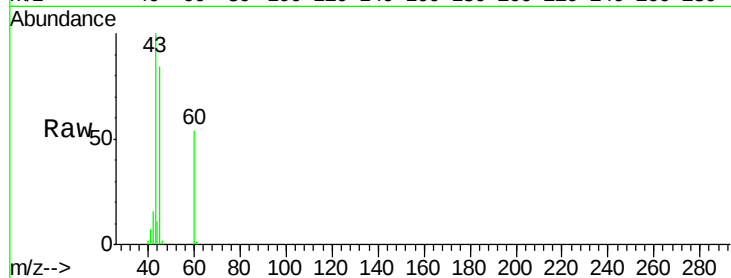




#43
Isopropyl Acetate
Concen: 3.424 ug/l
RT: 5.79 min Scan# 1618
Delta R.T. 0.24 min
Lab File: VU024782.D
Acq: 21 Jun 2018 02:02

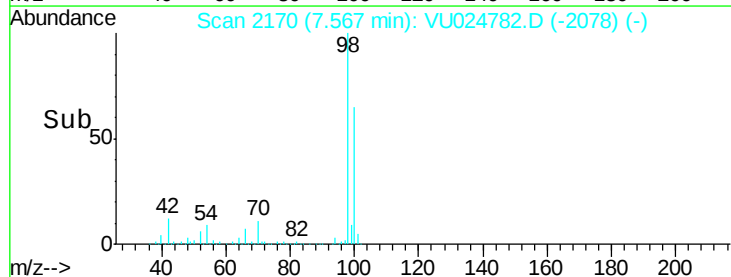
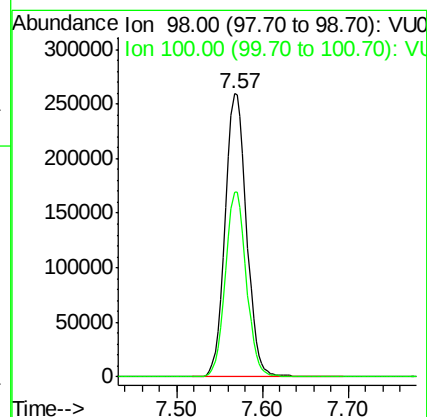
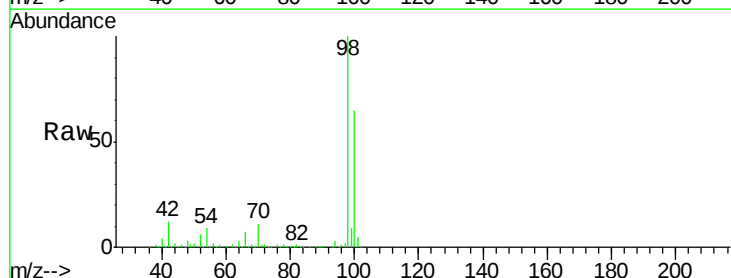
Instrument :
MSVOA_U
ClientSampleId :
EQUIPMENT-BLANK

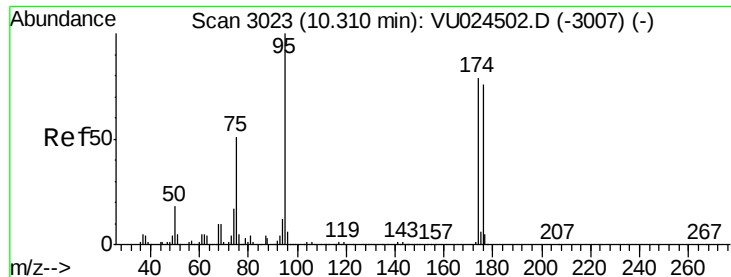
Tgt Ion: 43 Resp: 23495
Ion Ratio Lower Upper
43 100
61 0.4 15.4 23.0#
87 0.0 10.0 15.0#



#50
Toluene-d8
Concen: 48.005 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024782.D
Acq: 21 Jun 2018 02:02

Tgt Ion: 98 Resp: 450404
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 44.462 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

EQUIPMENT-BLANK

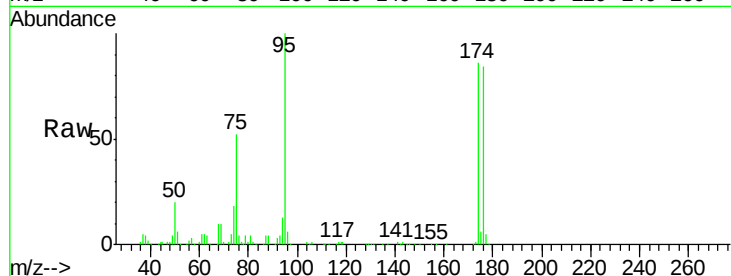
Tgt Ion: 95 Resp: 165632

Ion Ratio Lower Upper

95 100

174 85.9 0.0 165.8

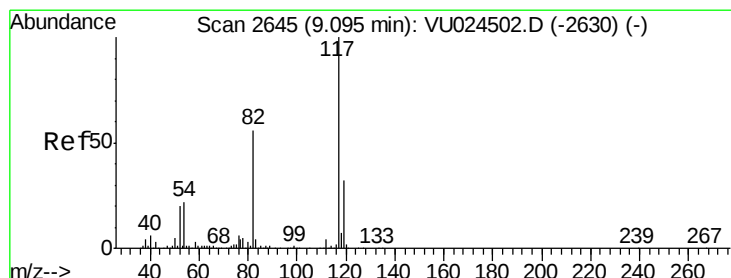
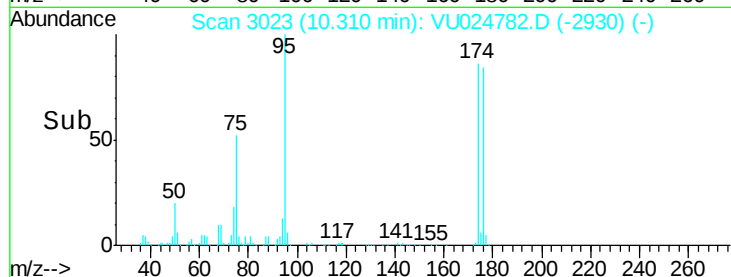
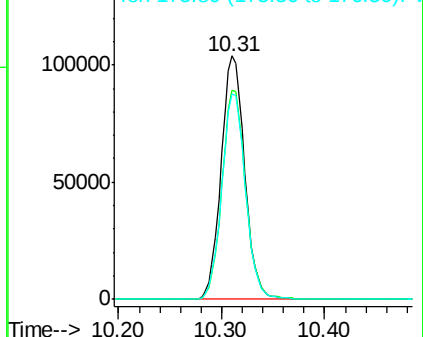
176 84.5 0.0 159.4



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: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

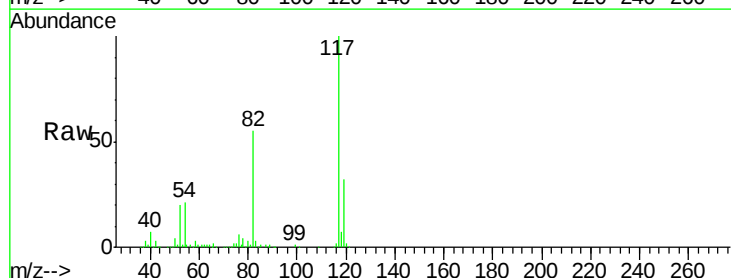
Tgt Ion: 117 Resp: 291645

Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

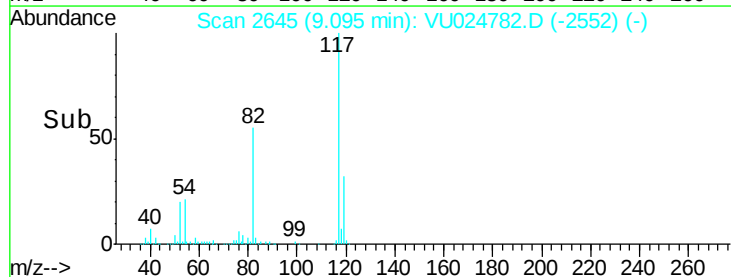
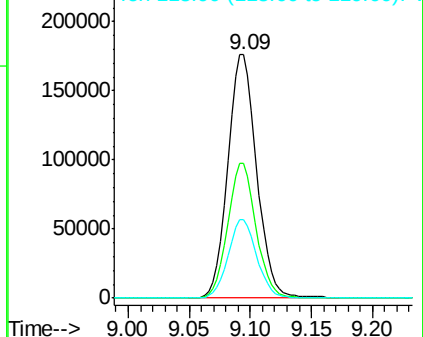
119 32.3 25.4 38.2

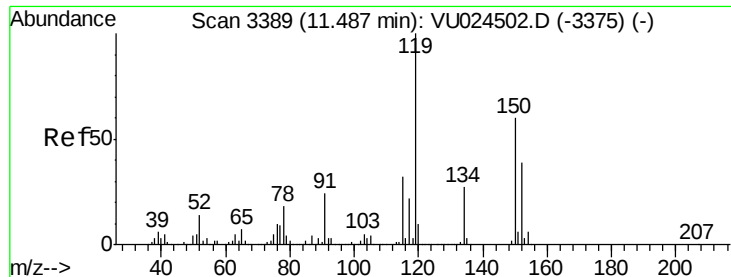


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

EQUIPMENT-BLANK

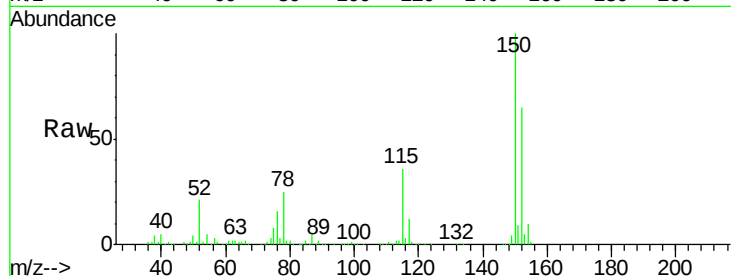
Tgt Ion:152 Resp: 159788

Ion Ratio Lower Upper

152 100

115 57.2 43.0 129.0

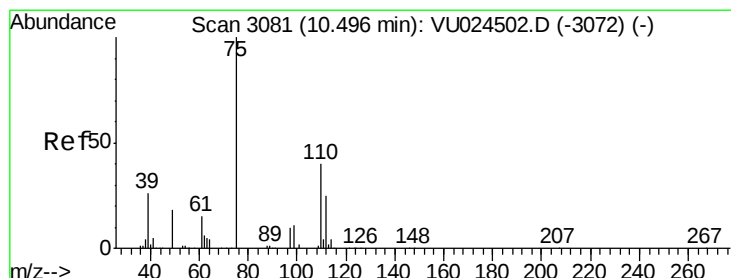
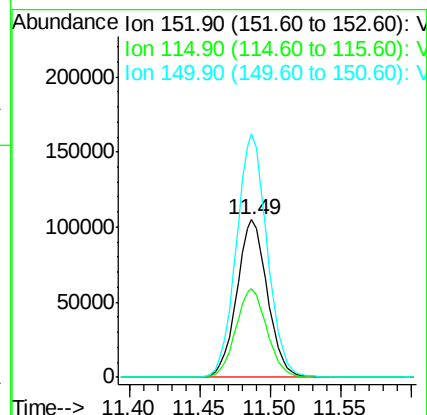
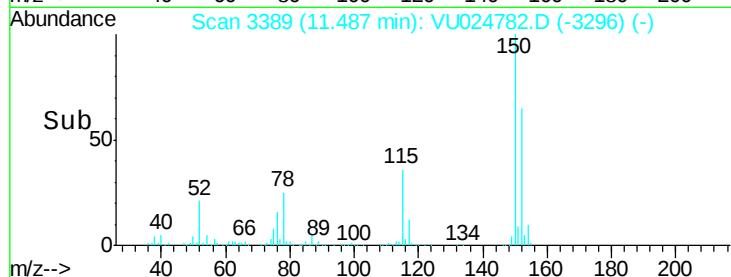
150 155.4 0.0 354.0



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: 24.550 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024782.D

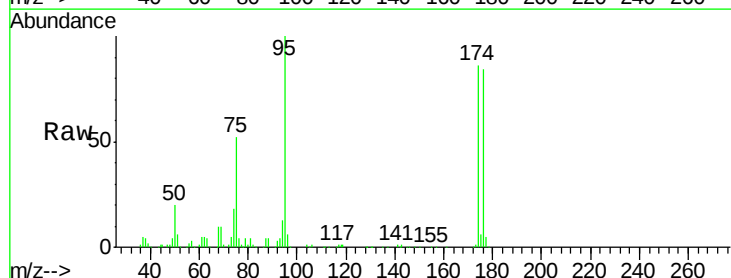
Acq: 21 Jun 2018 02:02

Tgt Ion: 75 Resp: 86367

Ion Ratio Lower Upper

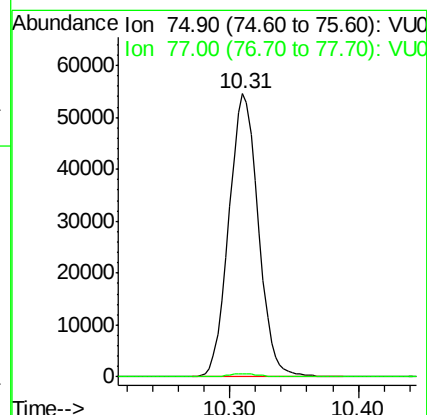
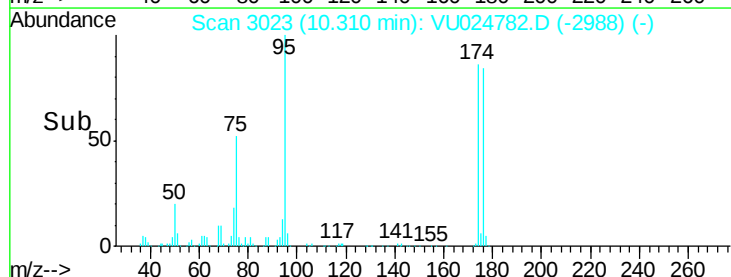
75 100

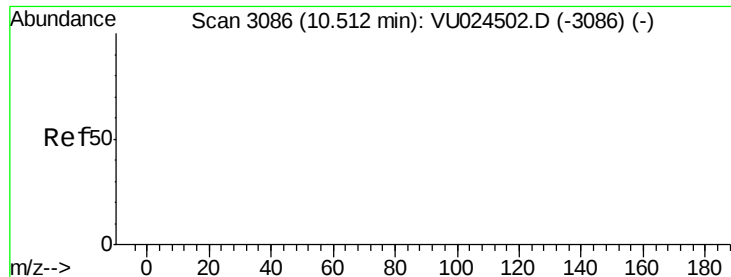
77 1.1 20.9 62.7#



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: 56.820 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

Instrument :

MSVOA_U

ClientSampleId :

EQUIPMENT-BLANK

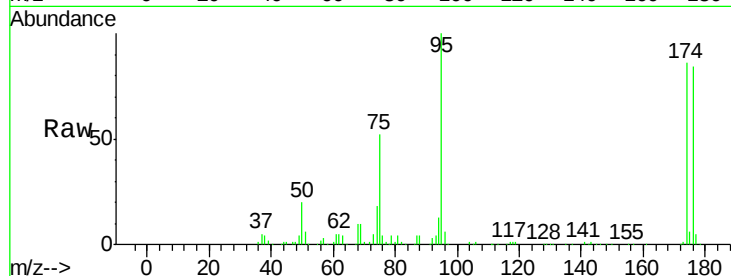
Tgt Ion: 75 Resp: 86367

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

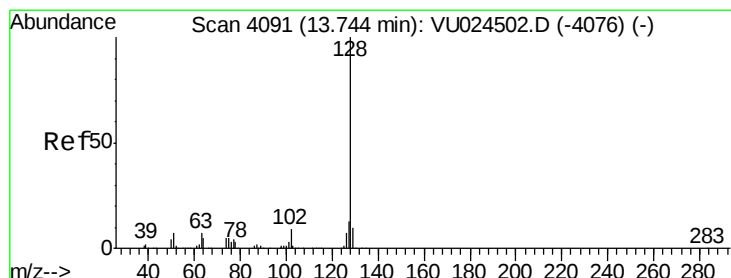
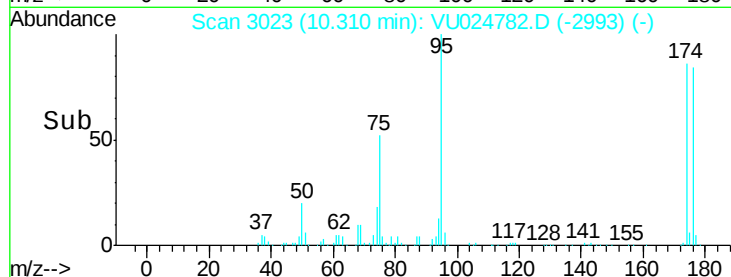
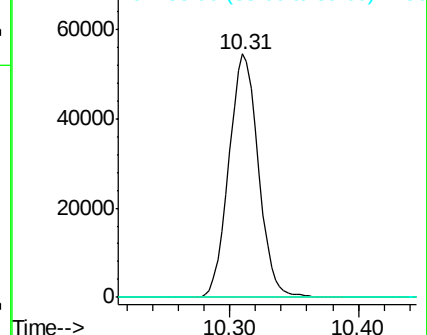
89 0.0 0.0 0.0



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: 1.303 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024782.D

Acq: 21 Jun 2018 02:02

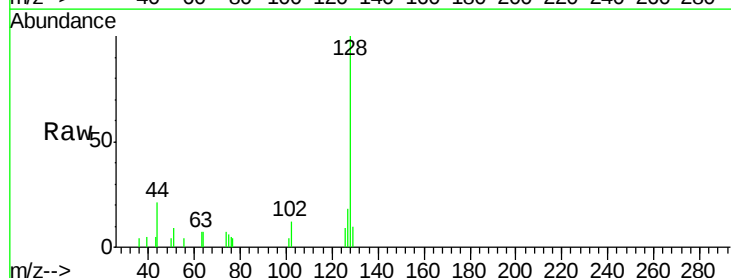
Tgt Ion: 128 Resp: 7433

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

129 9.2 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) (-)

