

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025086.D
 Acq On : 30 Jun 2018 14:21
 Operator : MD/SY
 Sample : J3759-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E1TB02-180625

Quant Time: Jul 02 05:37:06 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	221061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	327862	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	305014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159500	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	166514	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
35) Dibromofluoromethane	4.89	113	129097	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
50) Toluene-d8	7.57	98	474693	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	10.31	95	175915	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

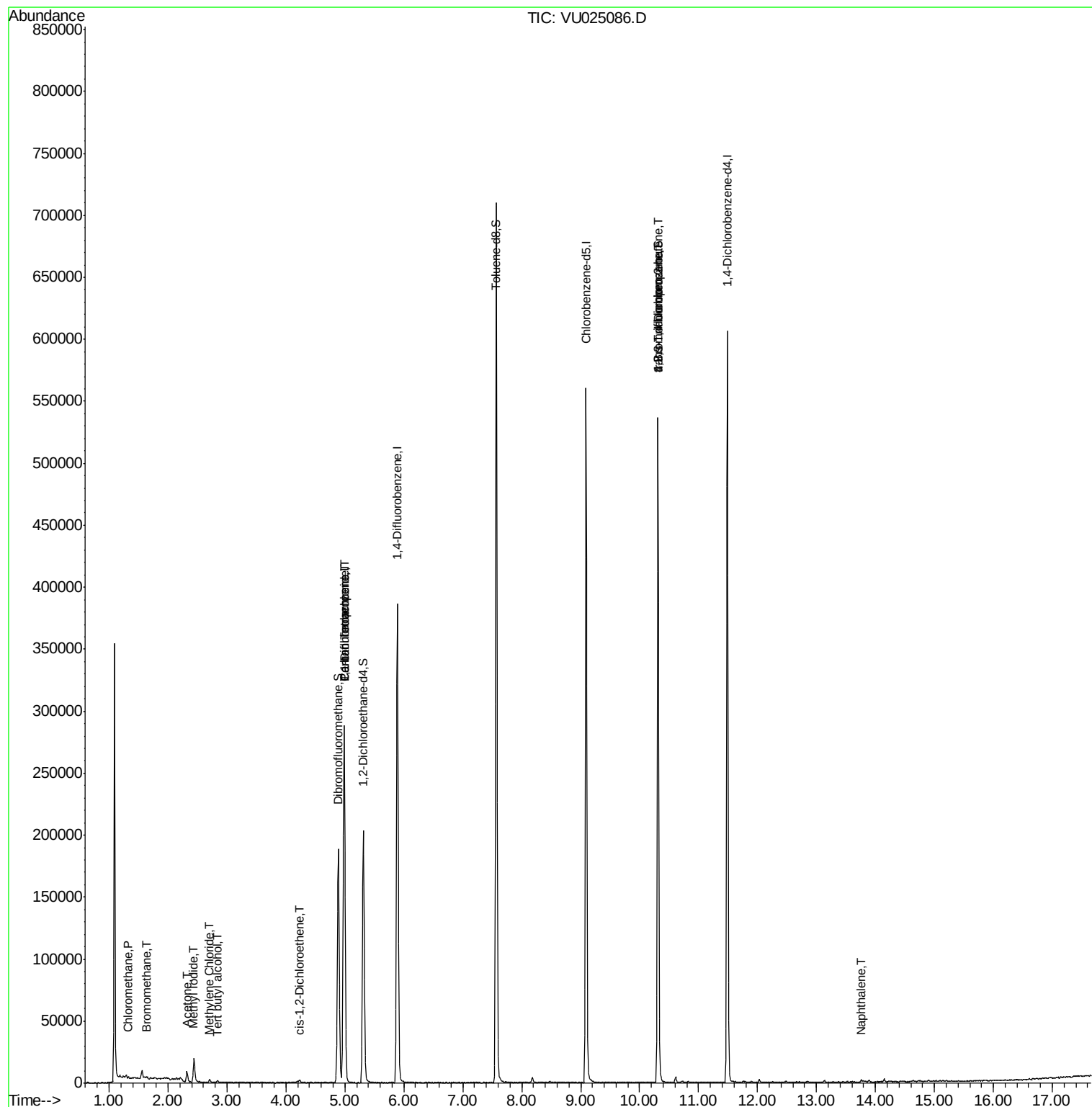
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	924	0.327	ug/l	99
5) Bromomethane	1.63	94	671	0.476	ug/l	92
6) Chloroethane	1.71	64	110	Below Cal	#	43
10) Methyl Iodide	2.42	142	352	5.423	ug/l #	69
11) Tert butyl alcohol	2.84	59	583	0.664	ug/l #	72
16) Acetone	2.32	43	9222	4.756	ug/l	94
20) Methylene Chloride	2.71	84	1102	0.362	ug/l #	86
27) cis-1,2-Dichloroethene	4.23	96	1013	0.318	ug/l	81
31) Cyclohexane	4.99	56	4792	Below Cal	#	7
36) 1,1-Dichloropropene	4.99	75	16624	4.315	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21222	5.009	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	91316	26.004	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	91316	60.184	ug/l #	100
95) Naphthalene	13.76	128	2460	0.886	ug/l #	77

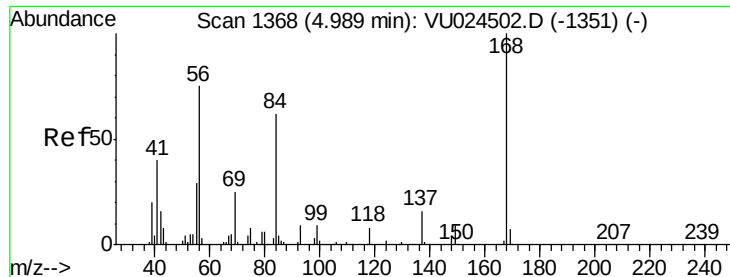
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
Data File : VU025086.D
Acq On : 30 Jun 2018 14:21
Operator : MD/SY
Sample : J3759-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
E1TB02-180625

Quant Time: Jul 02 05:37:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
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: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

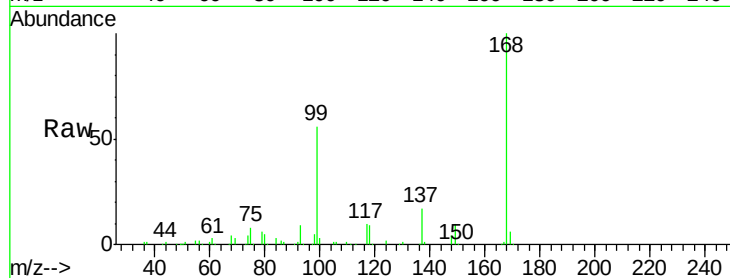
E1TB02-180625

Tgt Ion:168 Resp: 221061

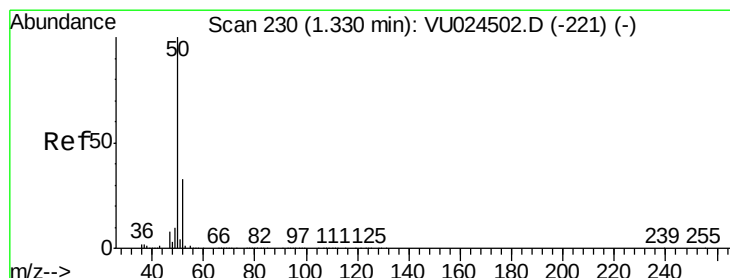
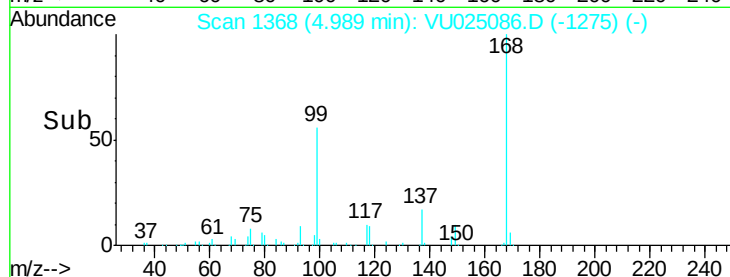
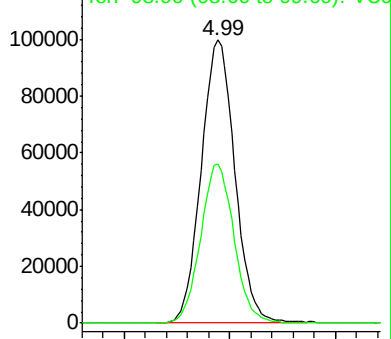
Ion Ratio Lower Upper

168 100

99 56.2 43.2 64.8



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



#3

Chloromethane

Concen: 0.327 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025086.D

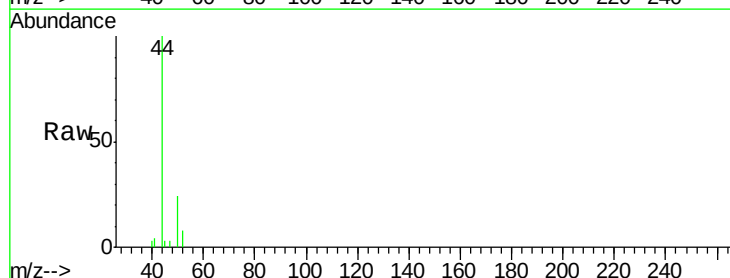
Acq: 30 Jun 2018 14:21

Tgt Ion: 50 Resp: 924

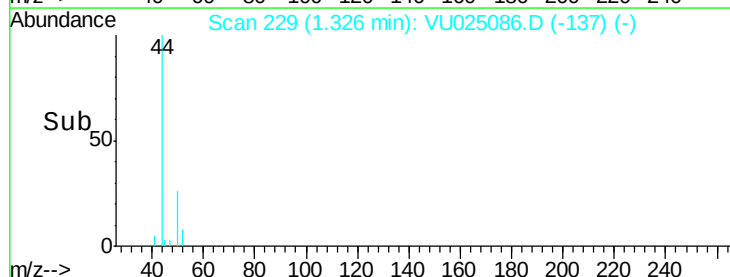
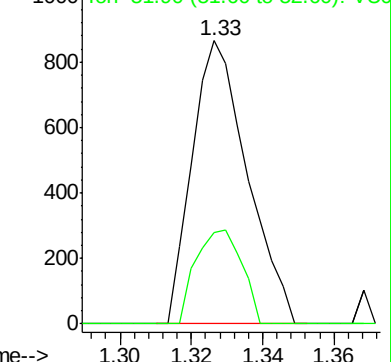
Ion Ratio Lower Upper

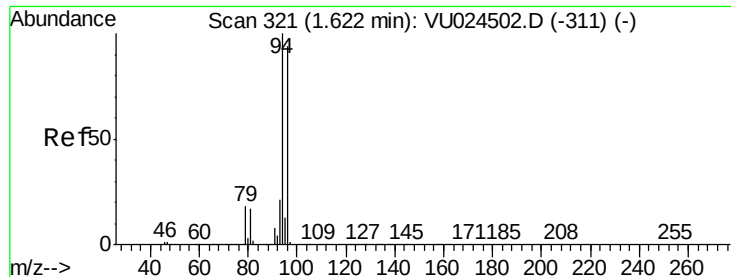
50 100

52 32.5 26.4 39.6



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





#5

Bromomethane

Concen: 0.476 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

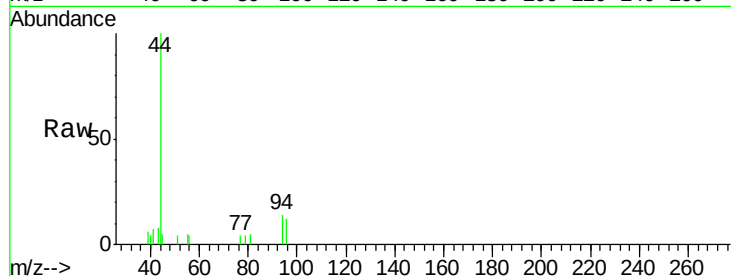
E1TB02-180625

Tgt Ion: 94 Resp: 671

Ion Ratio Lower Upper

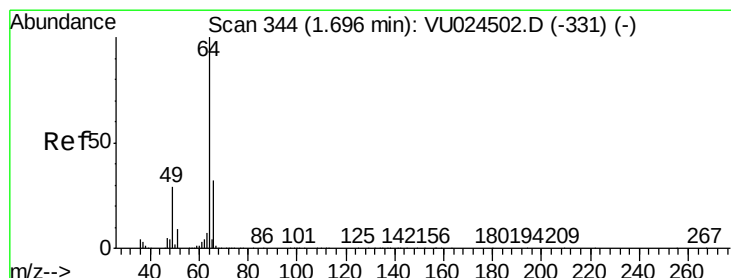
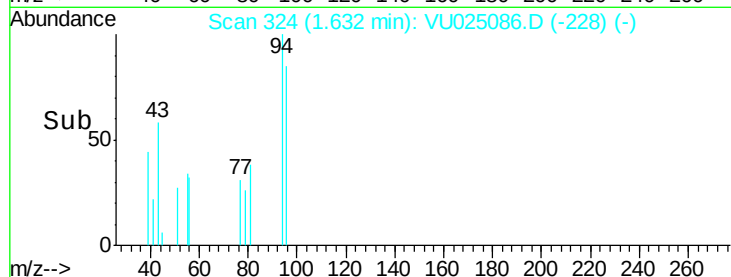
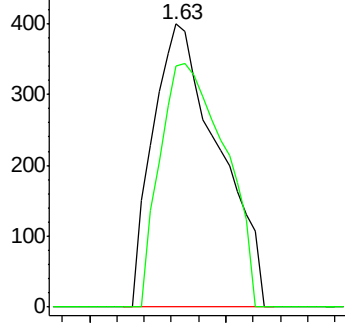
94 100

96 85.2 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: 1.71 min Scan# 349

Delta R.T. 0.02 min

Lab File: VU025086.D

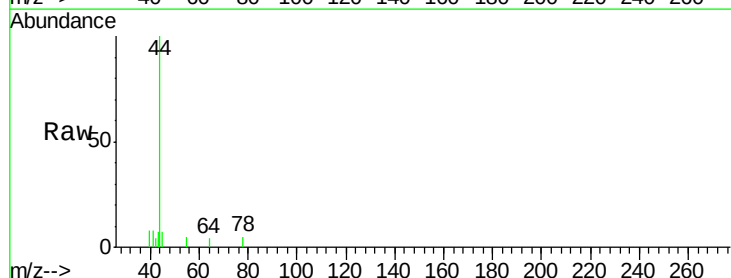
Acq: 30 Jun 2018 14:21

Tgt Ion: 64 Resp: 110

Ion Ratio Lower Upper

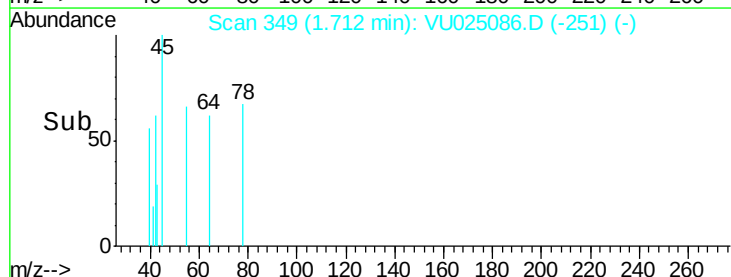
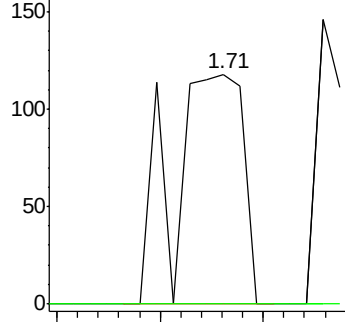
64 100

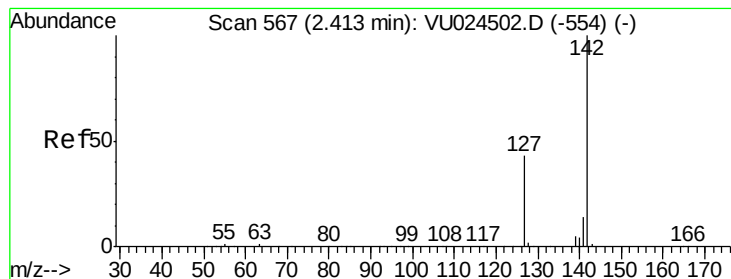
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.423 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

E1TB02-180625

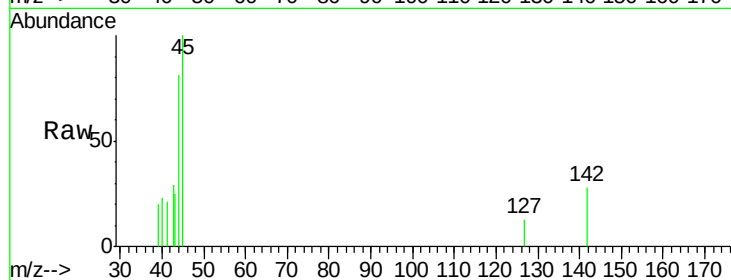
Tgt Ion:142 Resp: 352

Ion Ratio Lower Upper

142 100

127 25.6 35.6 53.4#

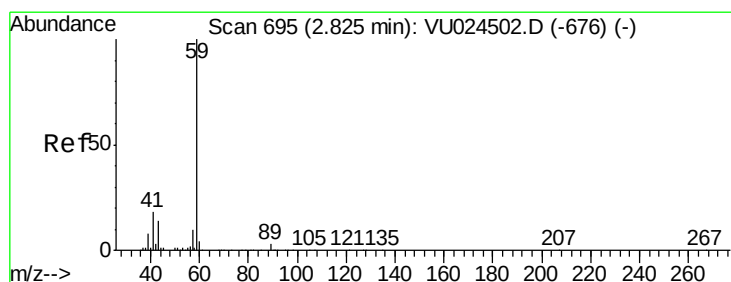
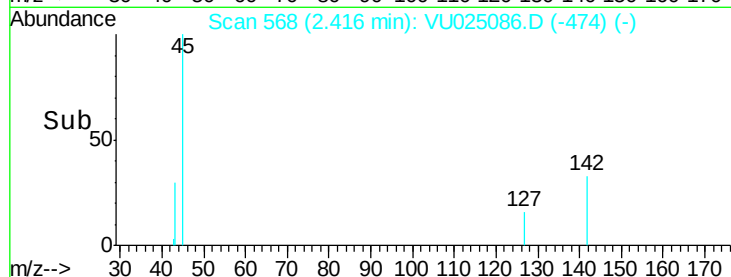
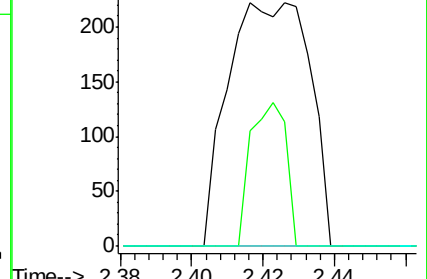
141 0.0 11.7 17.5#



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: 0.664 ug/l

RT: 2.84 min Scan# 701

Delta R.T. 0.02 min

Lab File: VU025086.D

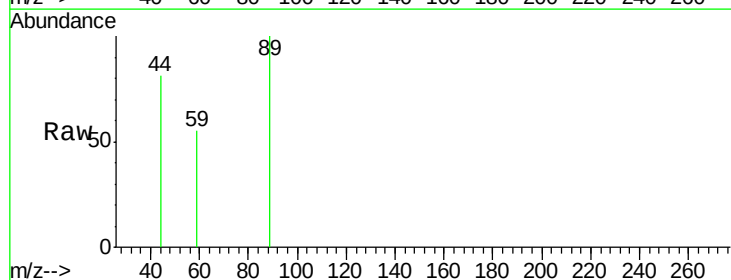
Acq: 30 Jun 2018 14:21

Tgt Ion: 59 Resp: 583

Ion Ratio Lower Upper

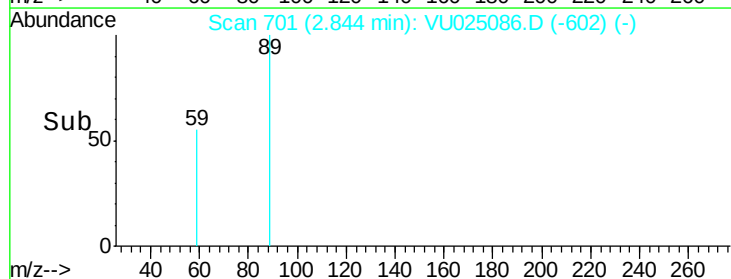
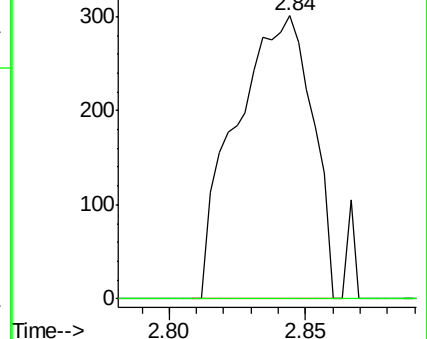
59 100

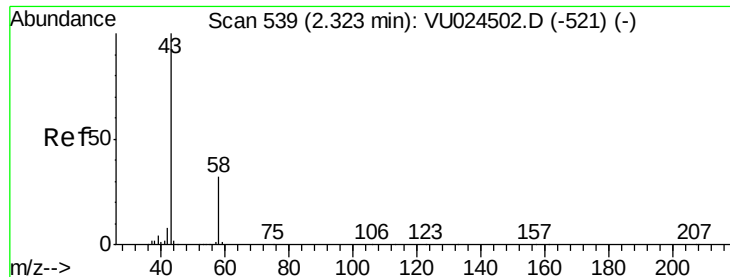
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 4.756 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

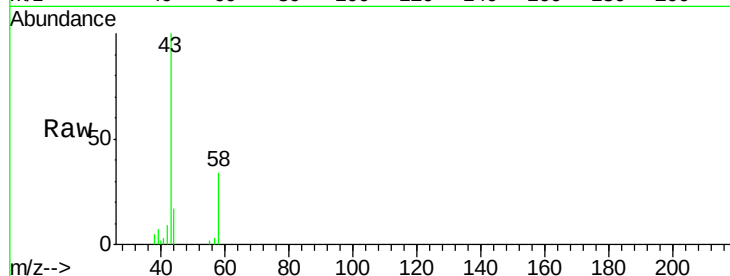
E1TB02-180625

Tgt Ion: 43 Resp: 9222

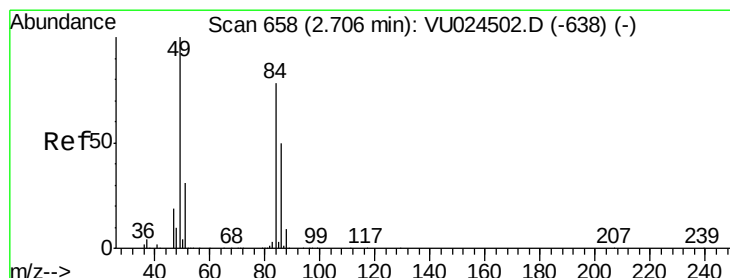
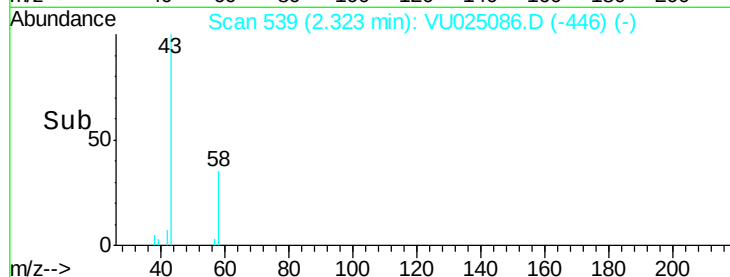
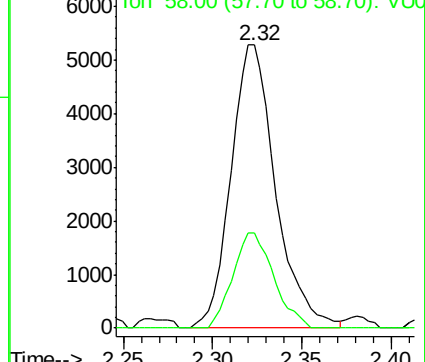
Ion Ratio Lower Upper

43 100

58 33.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)



#20

Methylene Chloride

Concen: 0.362 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Tgt Ion: 84 Resp: 1102

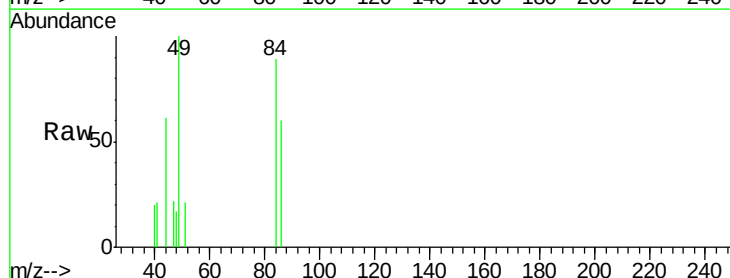
Ion Ratio Lower Upper

84 100

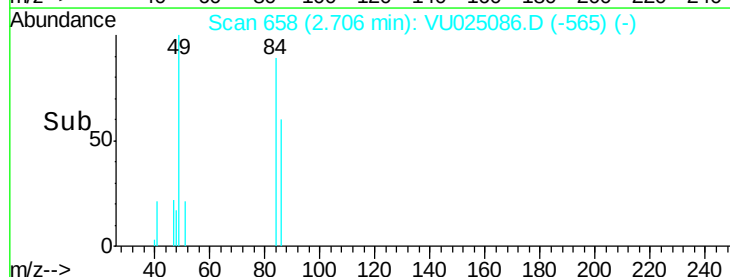
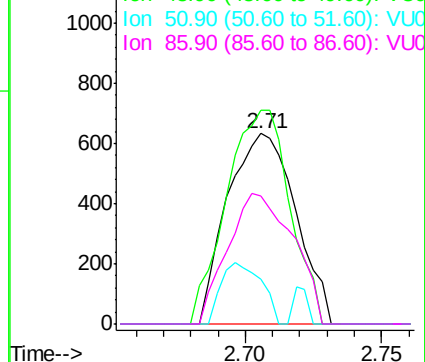
49 112.0 103.8 155.8

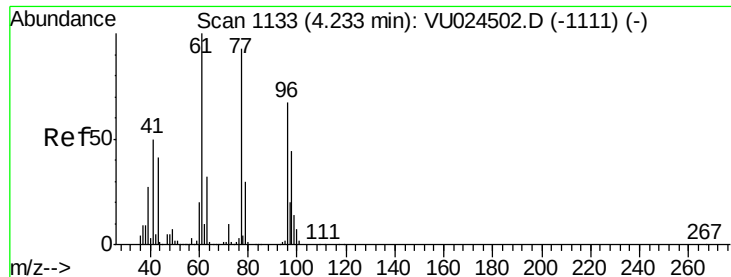
51 23.3 32.0 48.0#

86 67.4 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU024502.D (-638) (-)

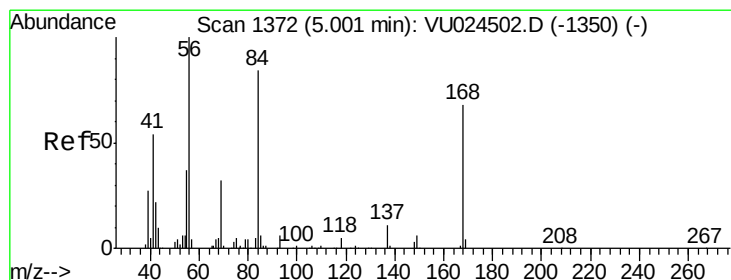
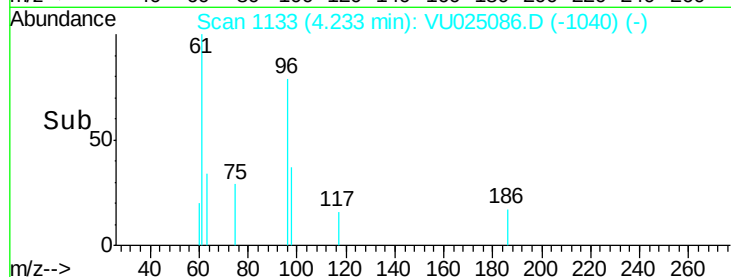
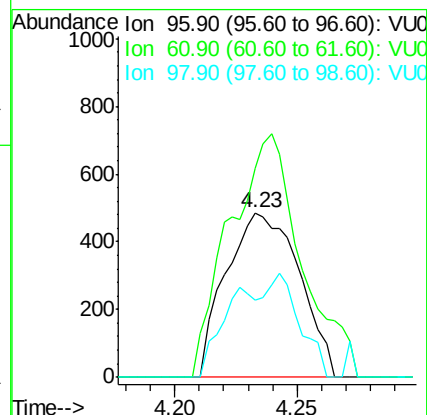
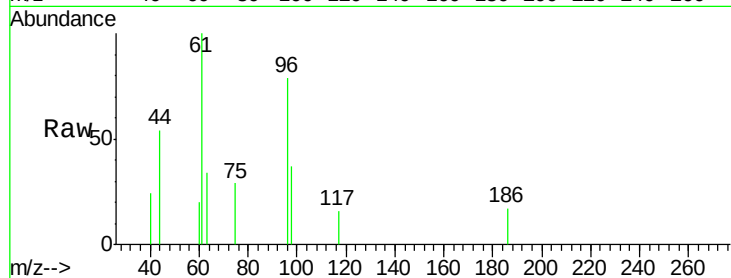




#27
 cis-1,2-Dichloroethene
 Concen: 0.318 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. 0.00 min
 Lab File: VU025086.D
 Acq: 30 Jun 2018 14:21

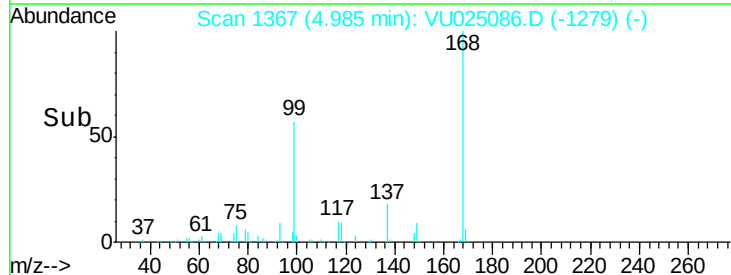
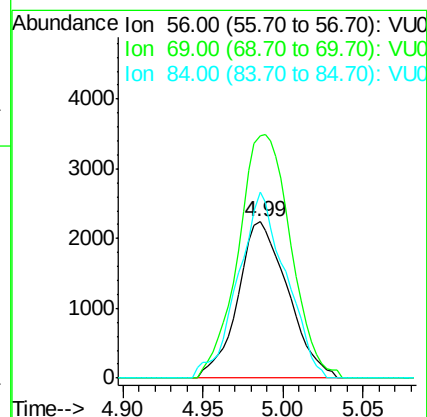
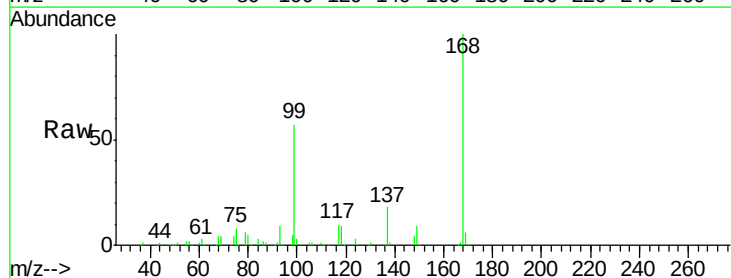
Instrument :
 MSVOA_U
 ClientSampleId :
 E1TB02-180625

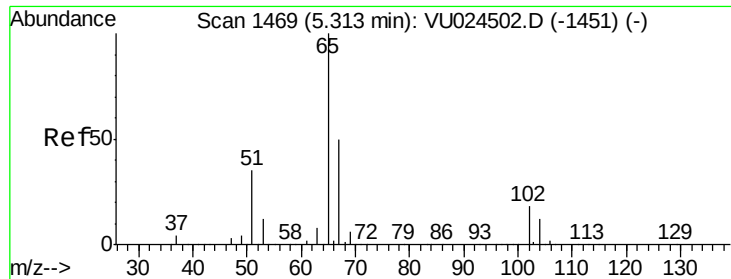
Tgt Ion: 96 Resp: 1013
 Ion Ratio Lower Upper
 96 100
 61 144.4 0.0 306.6
 98 26.4 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VU025086.D
 Acq: 30 Jun 2018 14:21

Tgt Ion: 56 Resp: 4792
 Ion Ratio Lower Upper
 56 100
 69 155.5 24.8 37.2#
 84 118.9 65.2 97.8#

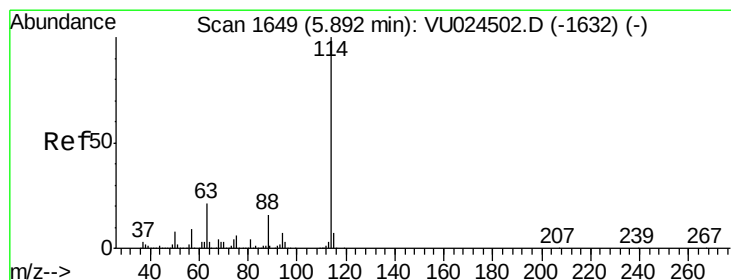
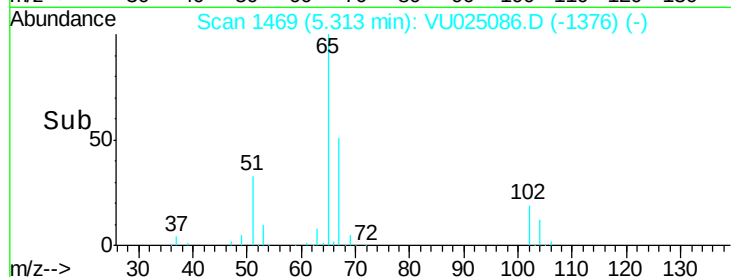
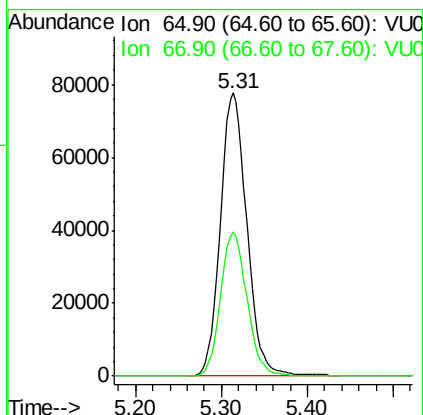
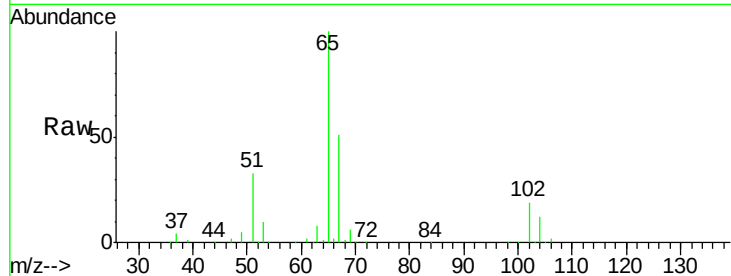




#33
 1,2-Dichloroethane-d4
 Concen: 46.140 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025086.D
 Acq: 30 Jun 2018 14:21

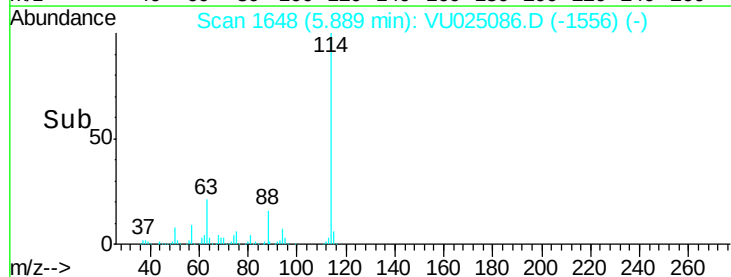
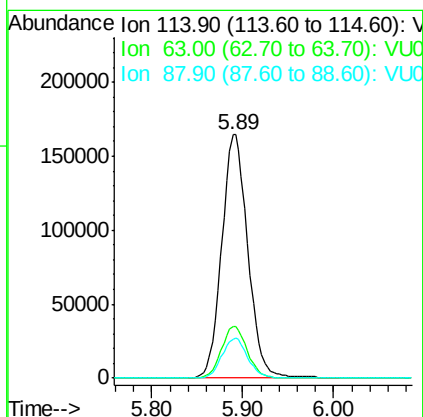
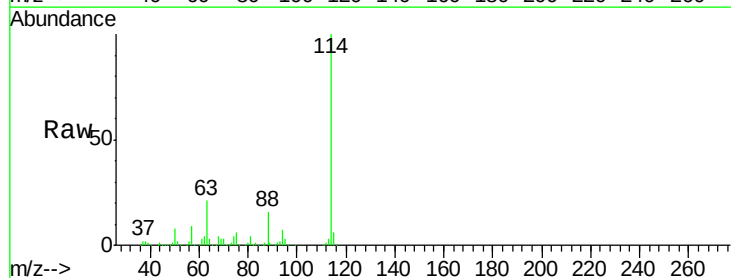
Instrument :
 MSVOA_U
 ClientSampleId :
 E1TB02-180625

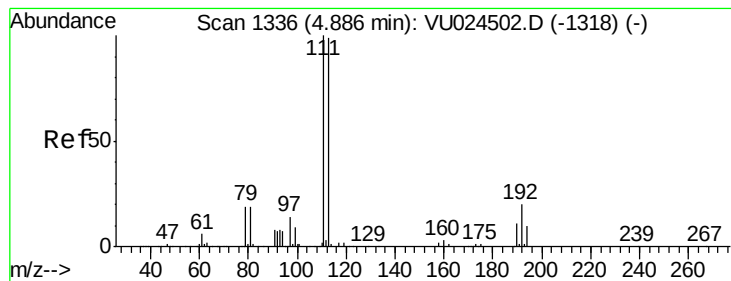
Tgt Ion: 65 Resp: 166514
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025086.D
 Acq: 30 Jun 2018 14:21

Tgt Ion: 114 Resp: 327862
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 16.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.445 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

E1TB02-180625

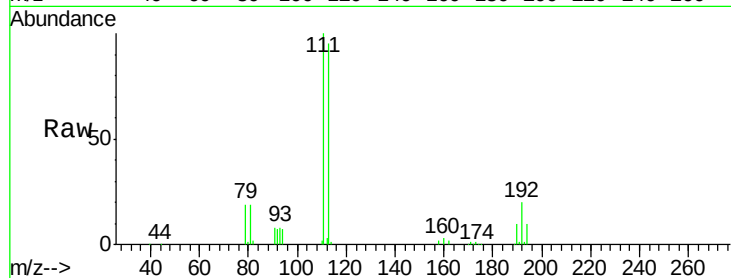
Tgt Ion:113 Resp: 129097

Ion Ratio Lower Upper

113 100

111 100.8 82.2 123.4

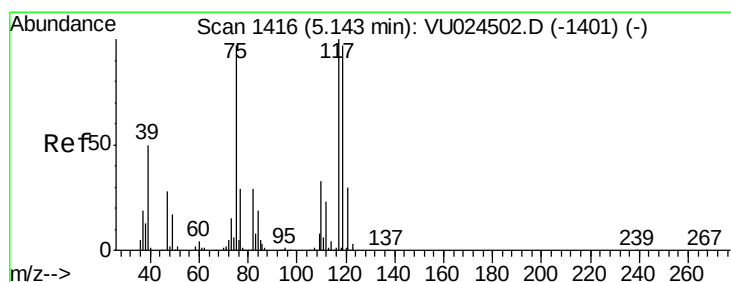
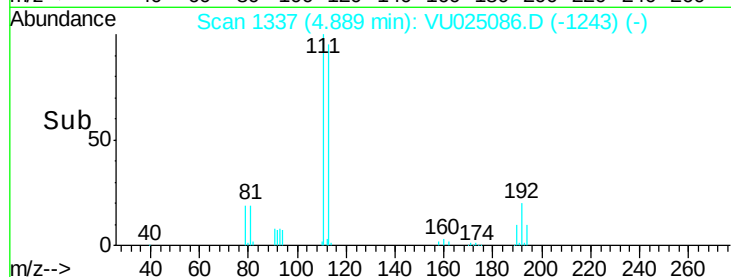
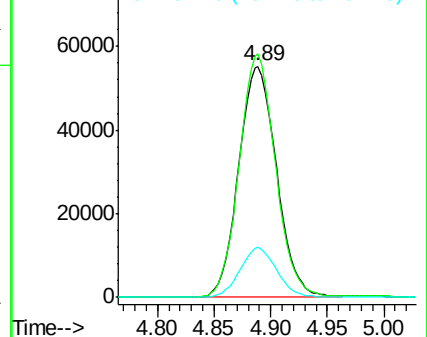
192 20.7 16.2 24.4



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: 4.315 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

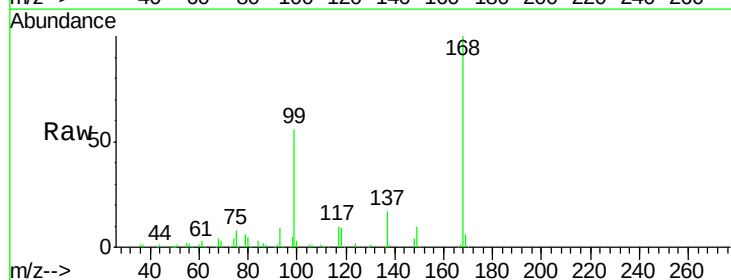
Tgt Ion: 75 Resp: 16624

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

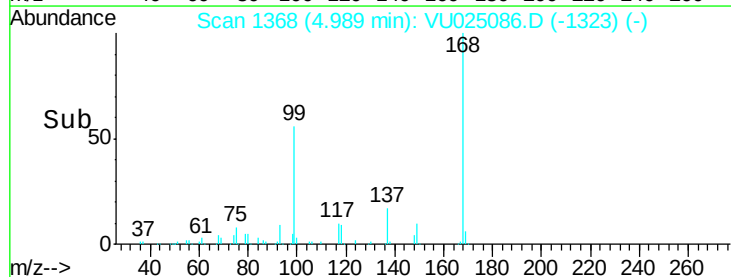
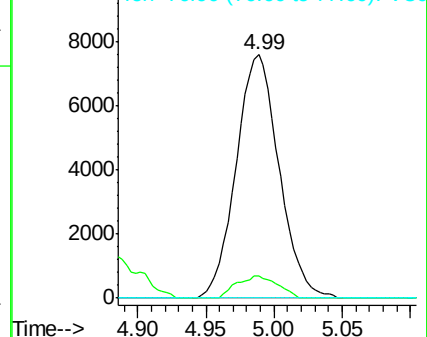
77 0.0 24.2 36.4#

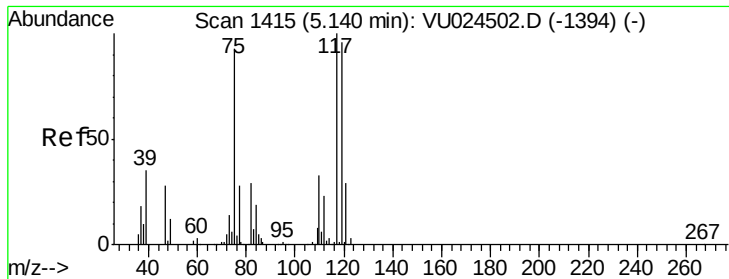


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.009 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

E1TB02-180625

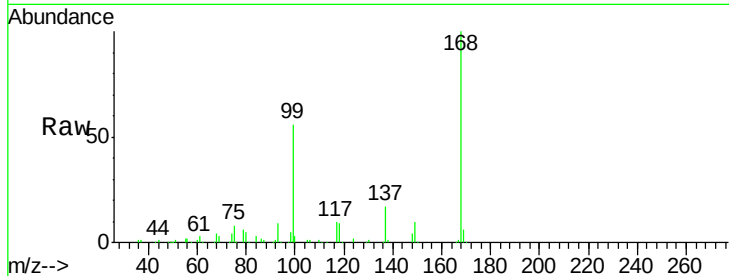
Tgt Ion:117 Resp: 21222

Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

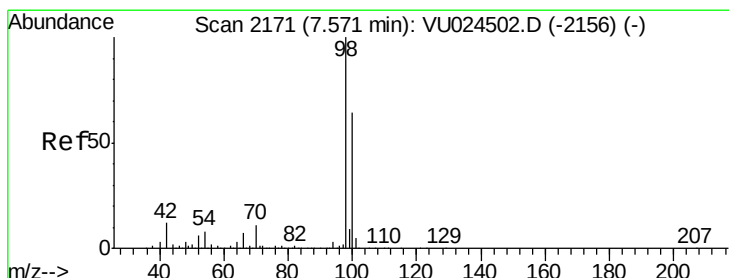
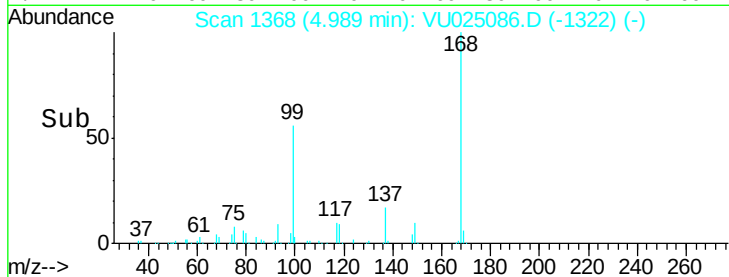
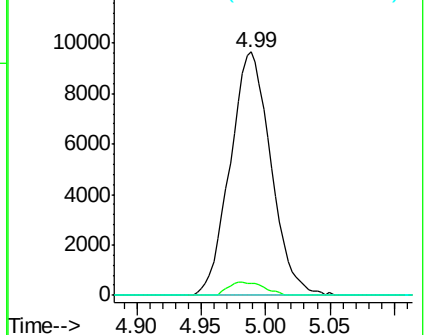
121 0.0 23.7 35.5#



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: 47.827 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025086.D

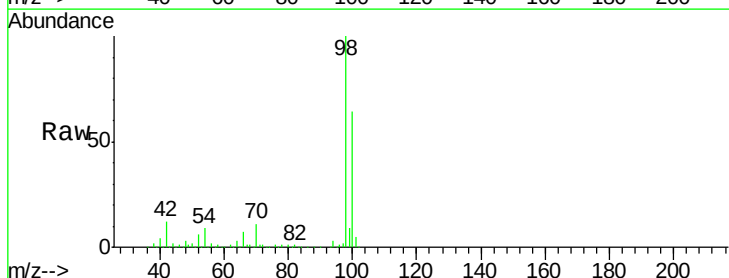
Acq: 30 Jun 2018 14:21

Tgt Ion: 98 Resp: 474693

Ion Ratio Lower Upper

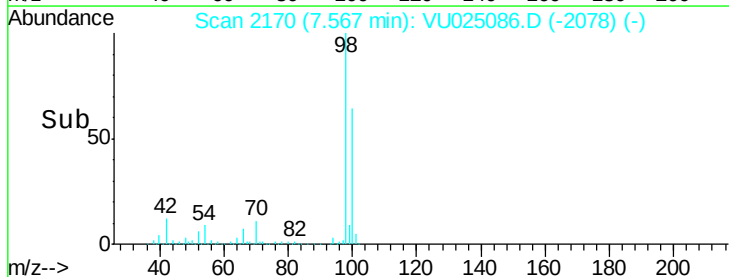
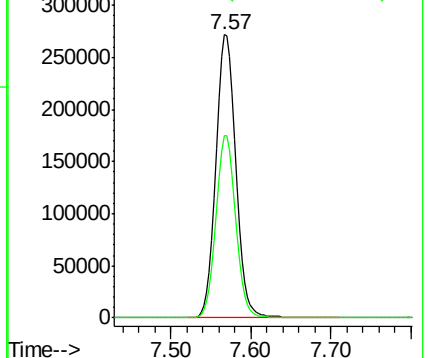
98 100

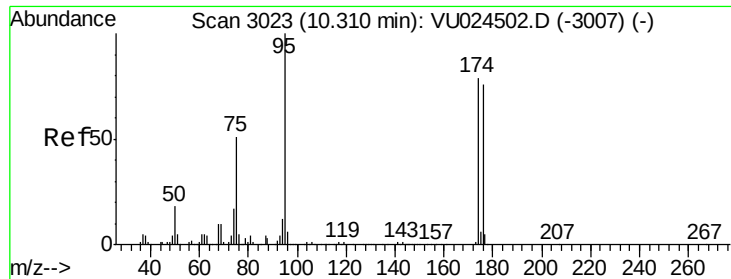
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.641 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

E1TB02-180625

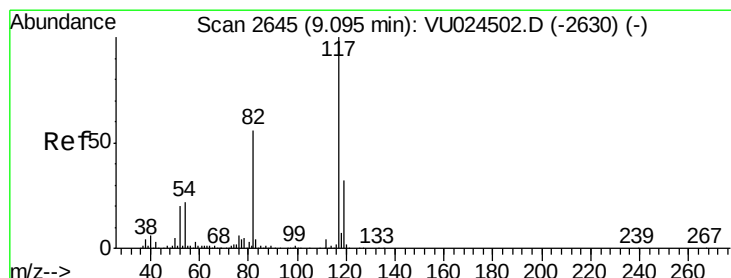
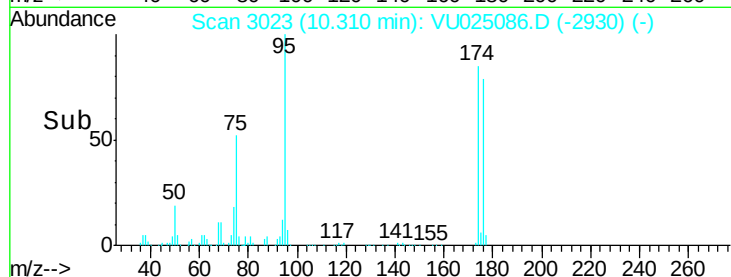
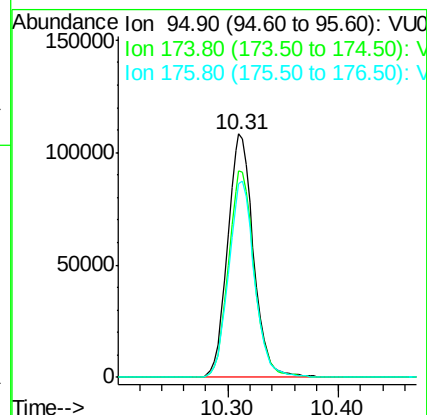
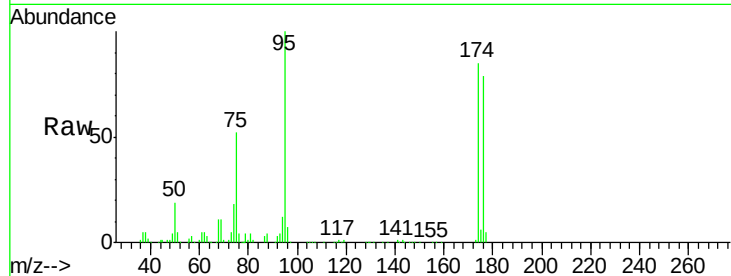
Tgt Ion: 95 Resp: 175915

Ion Ratio Lower Upper

95 100

174 84.5 0.0 165.8

176 80.4 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: VU025086.D

Acq: 30 Jun 2018 14:21

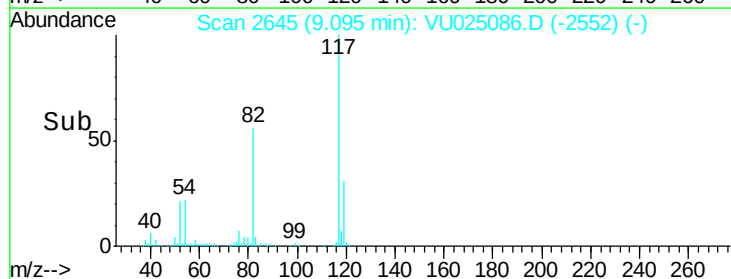
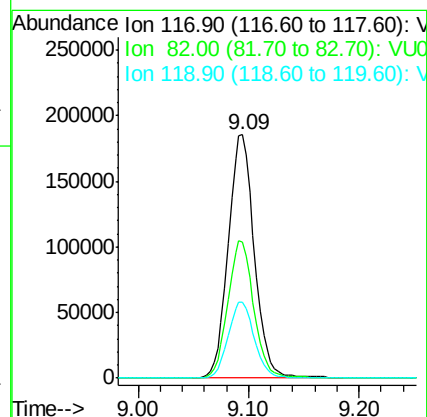
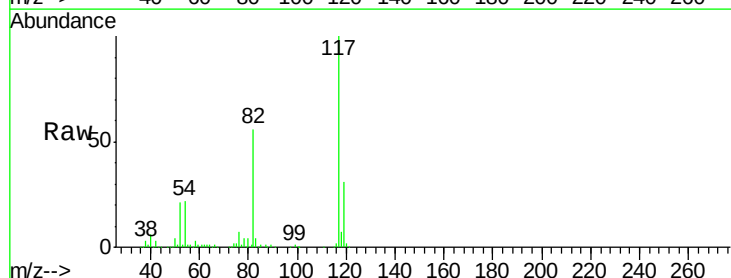
Tgt Ion: 117 Resp: 305014

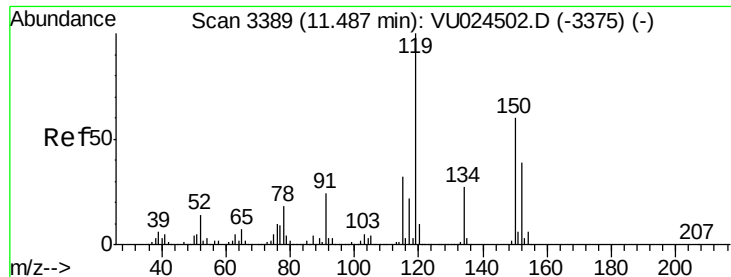
Ion Ratio Lower Upper

117 100

82 56.0 44.3 66.5

119 31.2 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: VU025086.D

Acq: 30 Jun 2018 14:21

Instrument :

MSVOA_U

ClientSampleId :

E1TB02-180625

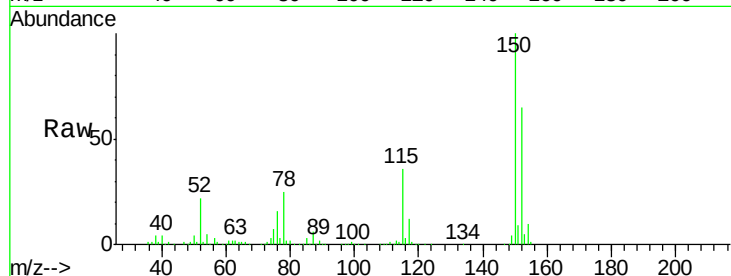
Tgt Ion:152 Resp: 159500

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

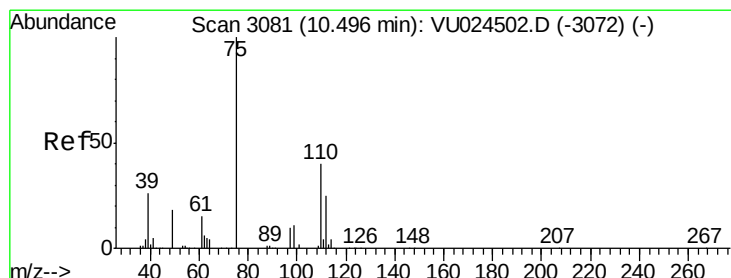
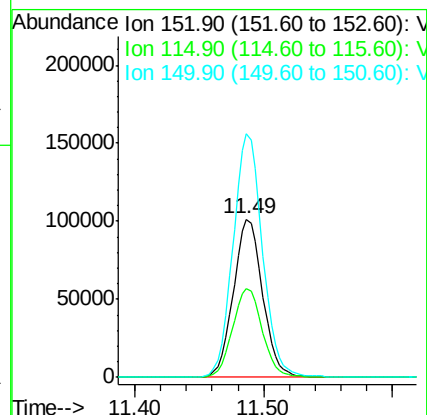
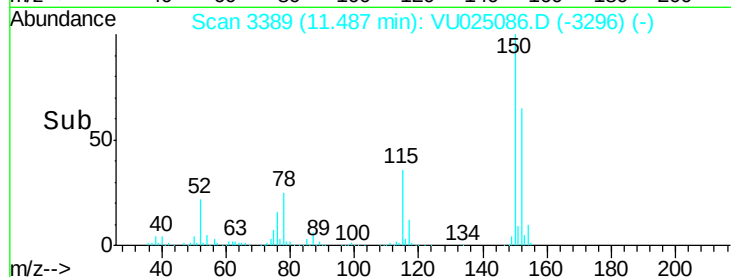
150 154.8 0.0 354.0



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: 26.004 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025086.D

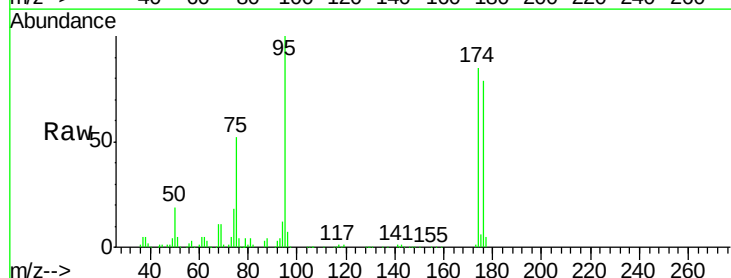
Acq: 30 Jun 2018 14:21

Tgt Ion: 75 Resp: 91316

Ion Ratio Lower Upper

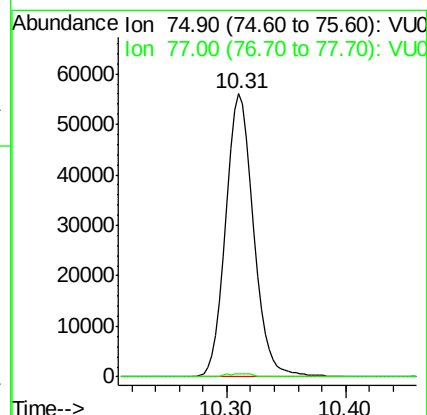
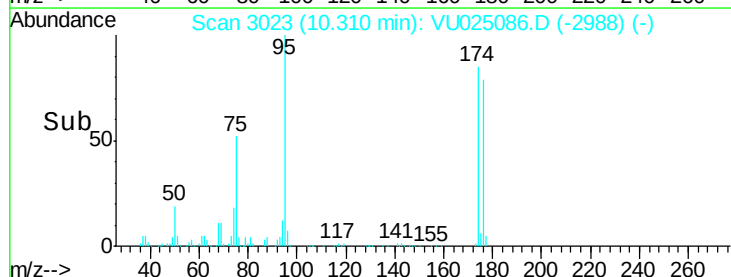
75 100

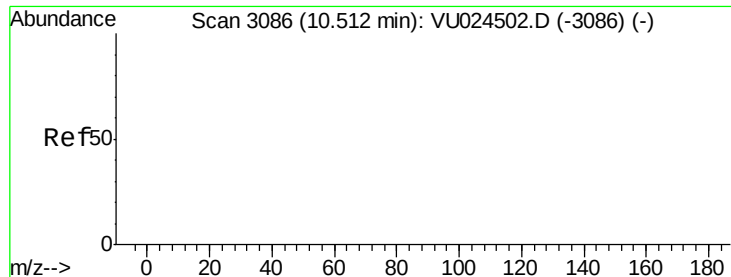
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

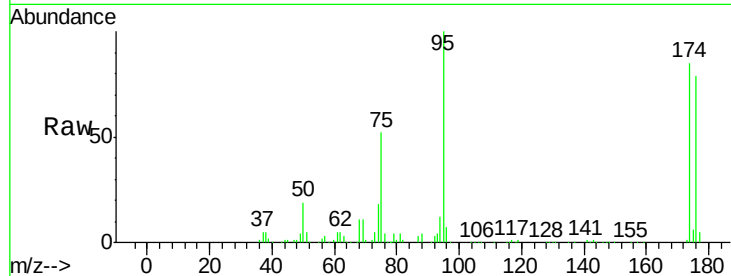




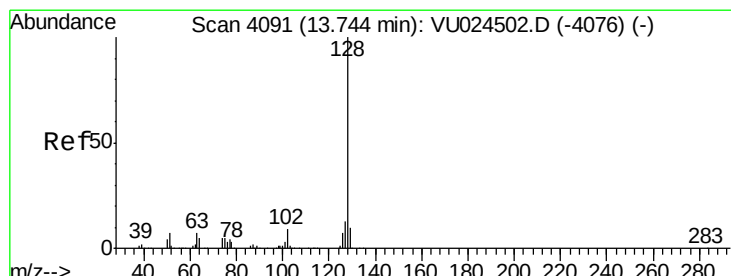
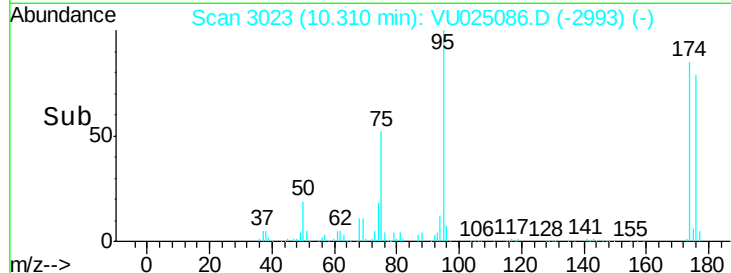
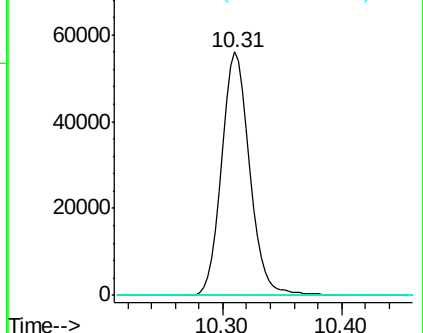
#81
trans-1,4-Dichloro-2-butene
Concen: 60.184 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025086.D
Acq: 30 Jun 2018 14:21

Instrument :
MSVOA_U
ClientSampleId :
E1TB02-180625

Tgt Ion: 75 Resp: 91316
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

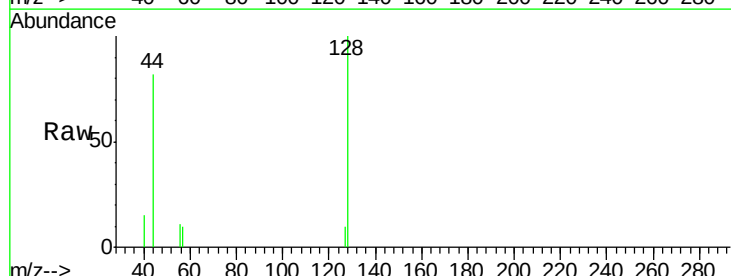


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#95
Naphthalene
Concen: 0.886 ug/l
RT: 13.76 min Scan# 4097
Delta R.T. 0.02 min
Lab File: VU025086.D
Acq: 30 Jun 2018 14:21

Tgt Ion: 128 Resp: 2460
Ion Ratio Lower Upper
128 100
127 4.8 10.6 16.0#
129 0.9 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

