

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025080.D
 Acq On : 30 Jun 2018 11:55
 Operator : MD/SY
 Sample : VV0630WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBL01

Quant Time: Jul 02 05:34:41 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	239207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	352600	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	327573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	171713	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	176279	45.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.28%	
35) Dibromofluoromethane	4.89	113	137714	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
50) Toluene-d8	7.57	98	502484	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.16%	
62) 4-Bromofluorobenzene	10.31	95	189835	44.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.58%	

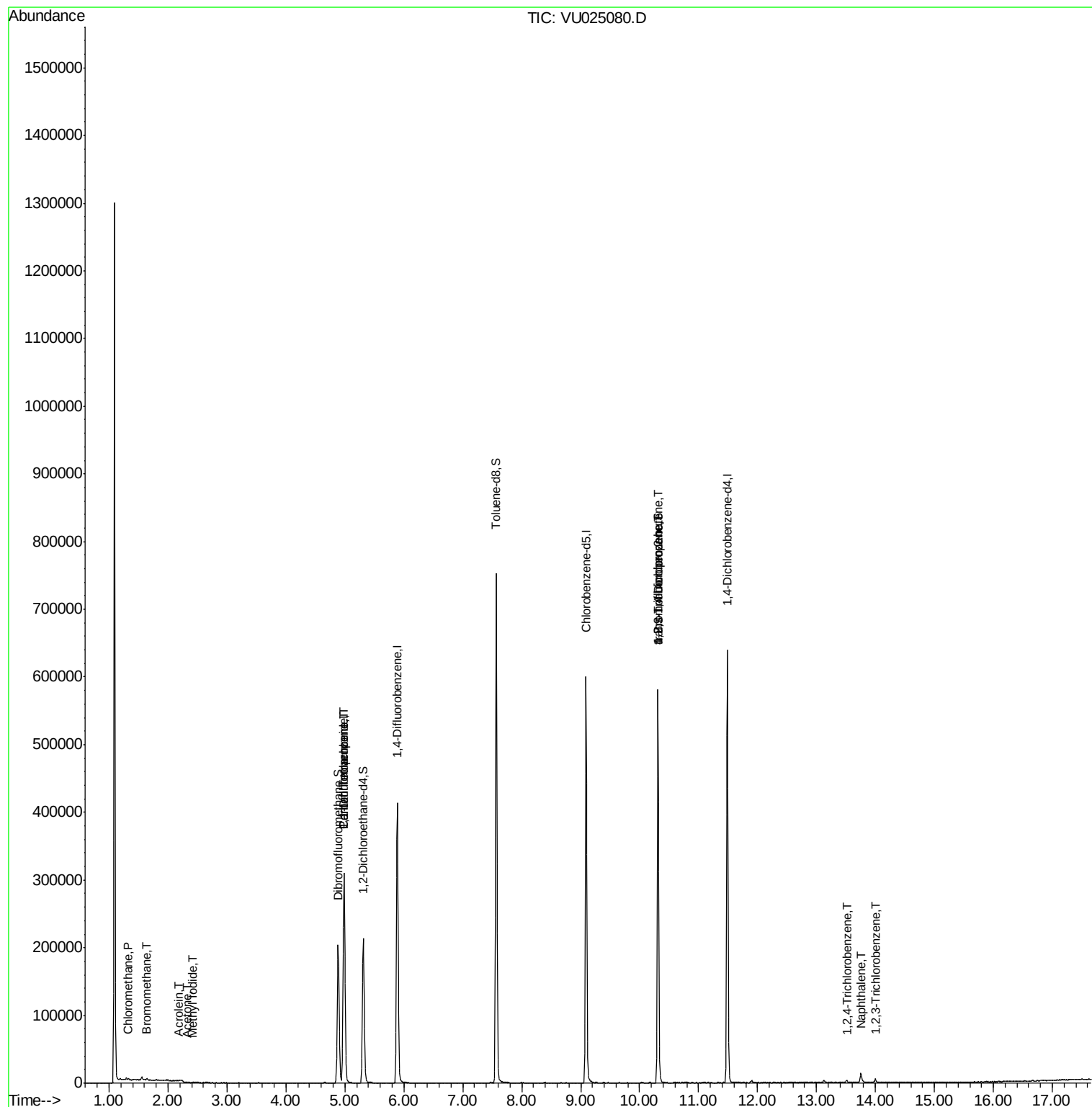
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	789	0.258	ug/l	91
5) Bromomethane	1.64	94	887	0.582	ug/l	82
6) Chloroethane	1.73	64	40	Below Cal	#	43
10) Methyl Iodide	2.42	142	478	5.458	ug/l #	77
13) Acrolein	2.19	56	112	0.225	ug/l	85
16) Acetone	2.32	43	644	0.307	ug/l #	68
31) Cyclohexane	4.99	56	5168	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17051	4.115	ug/l #	51
38) Carbon Tetrachloride	4.99	117	22959	5.039	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	99263	26.257	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	99263	60.769	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	1729	0.453	ug/l	95
95) Naphthalene	13.75	128	15219	1.868	ug/l	94
96) 1,2,3-Trichlorobenzene	14.00	180	2224	0.585	ug/l	97

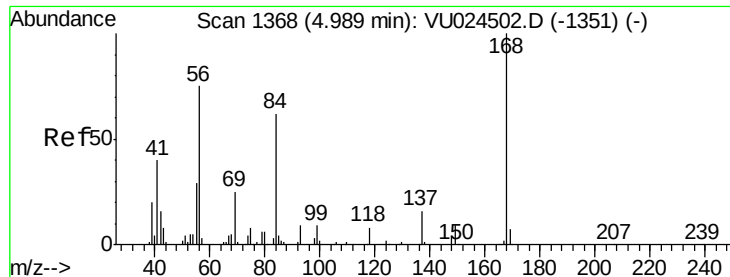
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 13 13:55:26 2018
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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: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

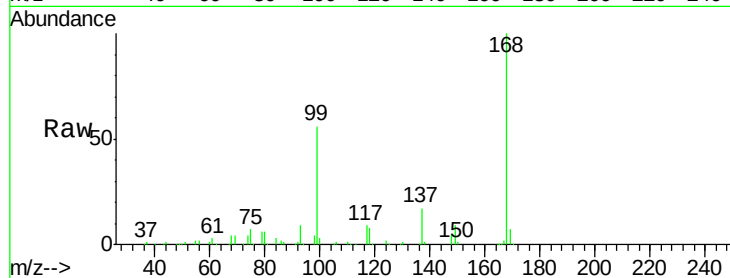
VU0630WBL01

Tgt Ion:168 Resp: 239207

Ion Ratio Lower Upper

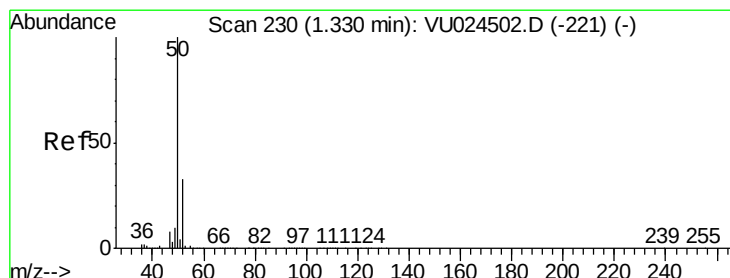
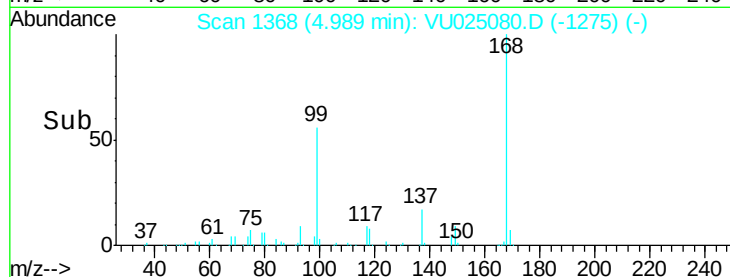
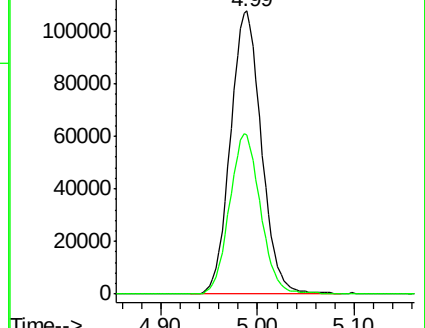
168 100

99 56.2 43.2 64.8



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

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



#3

Chloromethane

Concen: 0.258 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025080.D

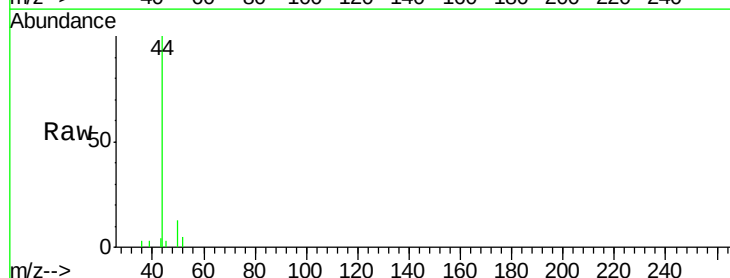
Acq: 30 Jun 2018 11:55

Tgt Ion: 50 Resp: 789

Ion Ratio Lower Upper

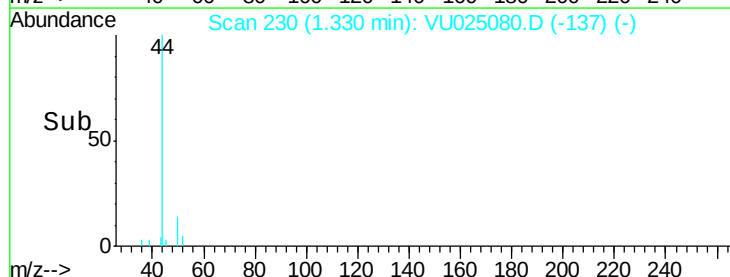
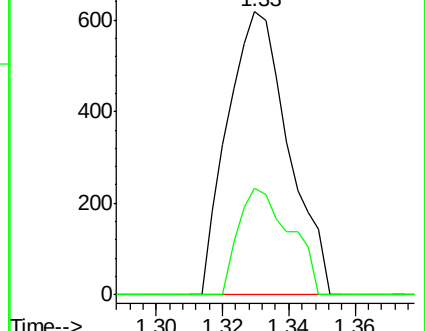
50 100

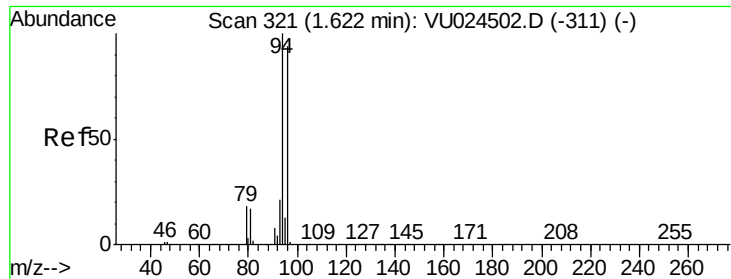
52 37.9 26.4 39.6



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: 0.582 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

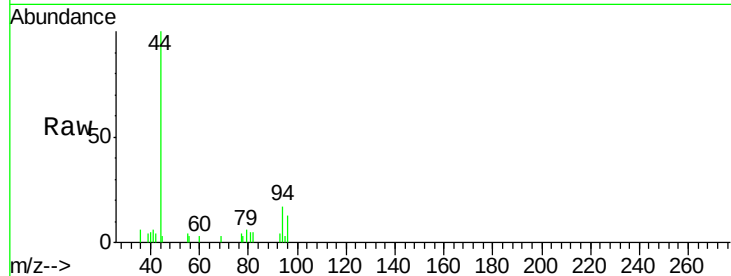
VU0630WBL01

Tgt Ion: 94 Resp: 887

Ion Ratio Lower Upper

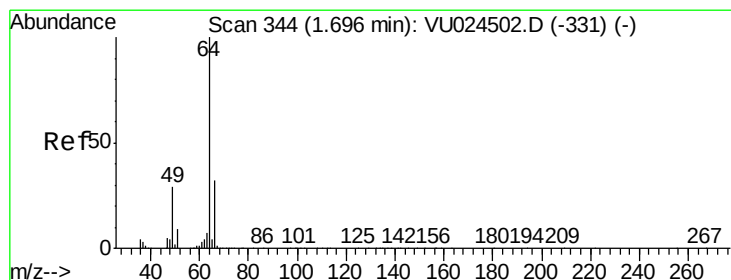
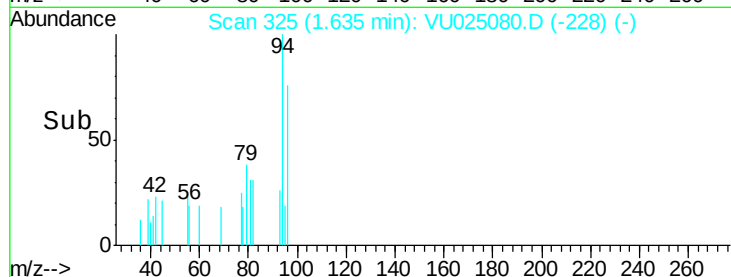
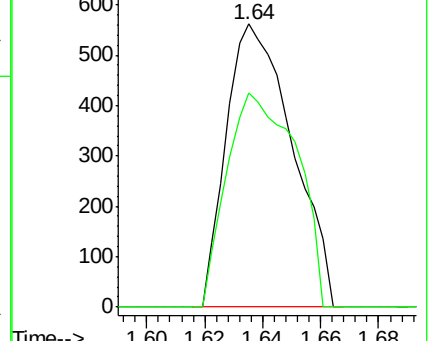
94 100

96 75.8 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: 1.73 min Scan# 354

Delta R.T. 0.03 min

Lab File: VU025080.D

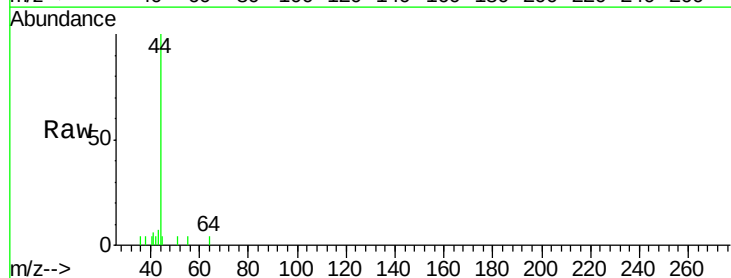
Acq: 30 Jun 2018 11:55

Tgt Ion: 64 Resp: 40

Ion Ratio Lower Upper

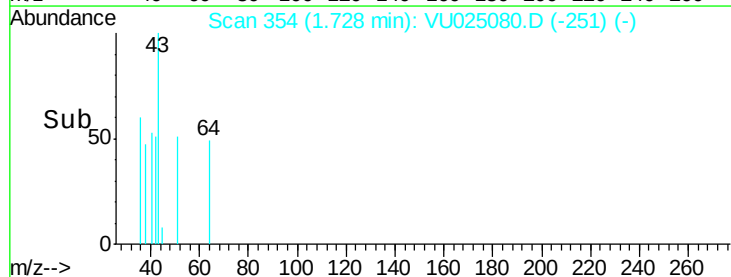
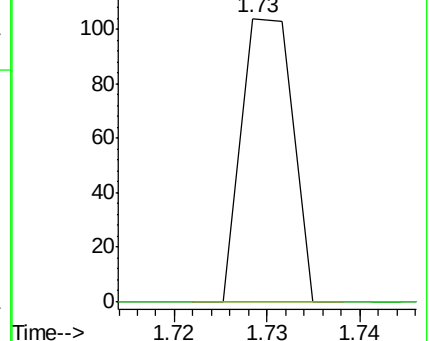
64 100

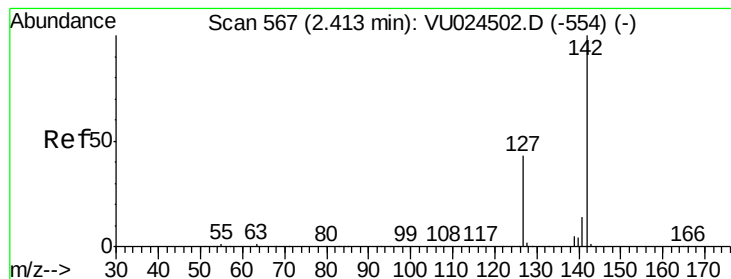
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methyl Iodide

Concen: 5.458 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

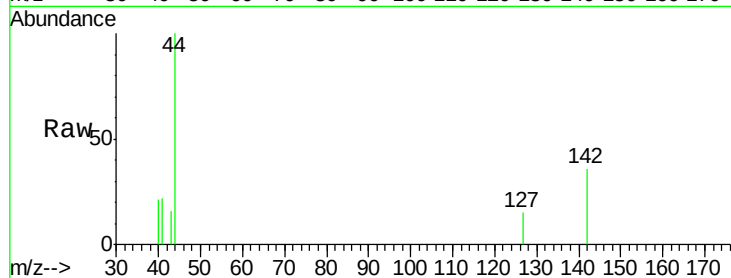
Tgt Ion:142 Resp: 478

Ion Ratio Lower Upper

142 100

127 32.4 35.6 53.4#

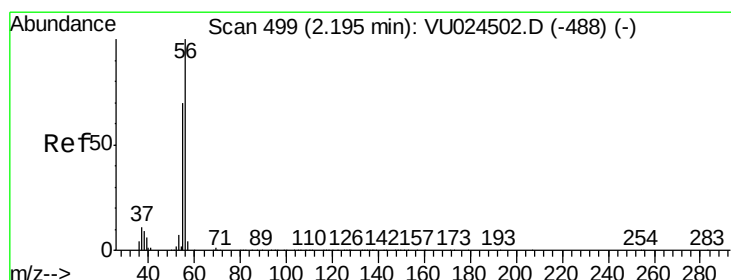
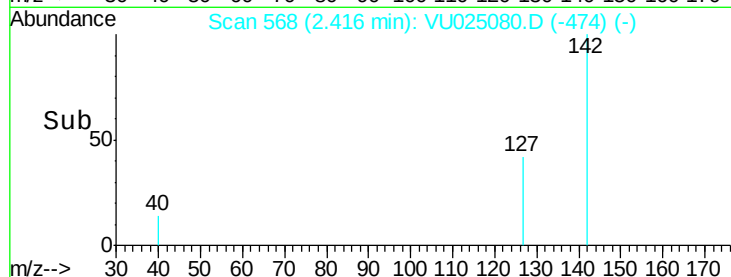
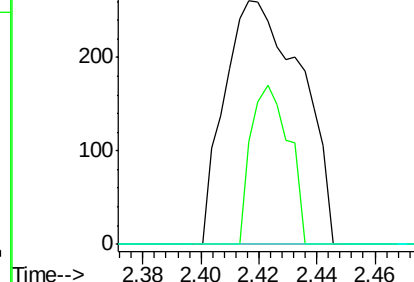
141 0.0 11.7 17.5#



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



#13

Acrolein

Concen: 0.225 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU025080.D

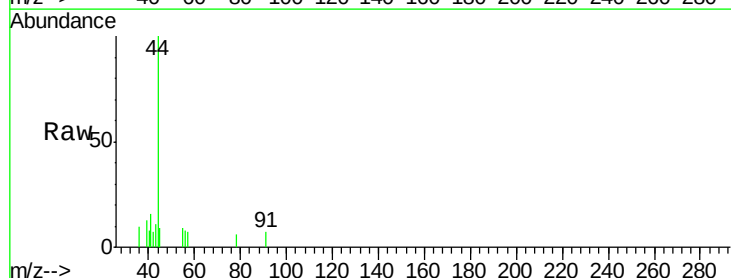
Acq: 30 Jun 2018 11:55

Tgt Ion: 56 Resp: 112

Ion Ratio Lower Upper

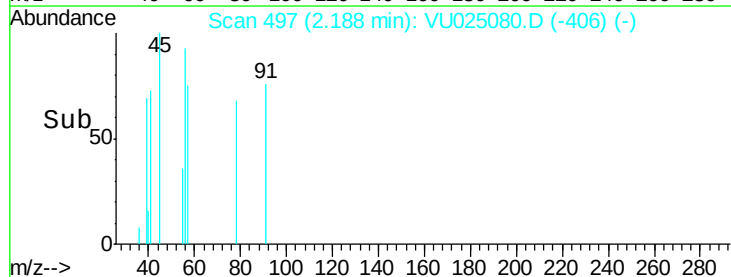
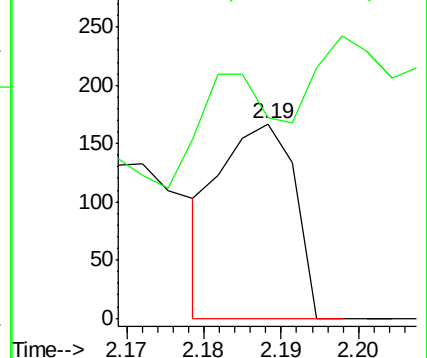
56 100

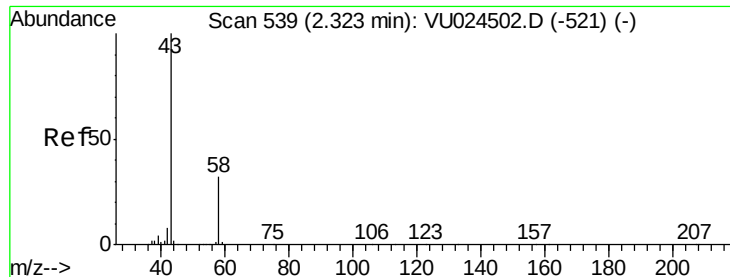
55 60.7 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 0.307 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

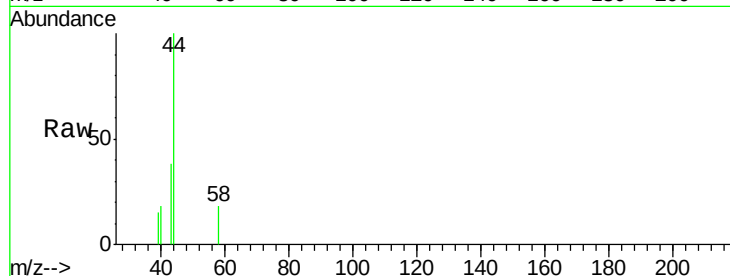
VU0630WBL01

Tgt Ion: 43 Resp: 644

Ion Ratio Lower Upper

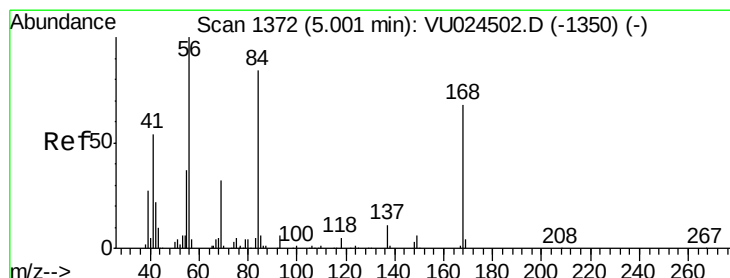
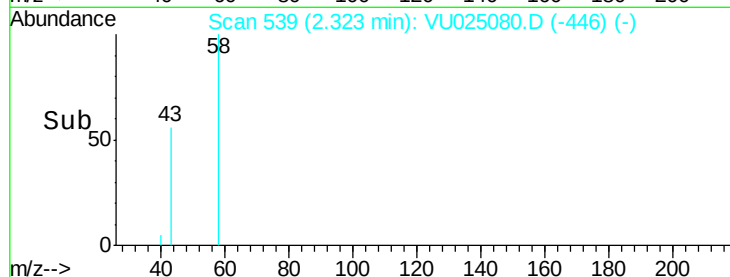
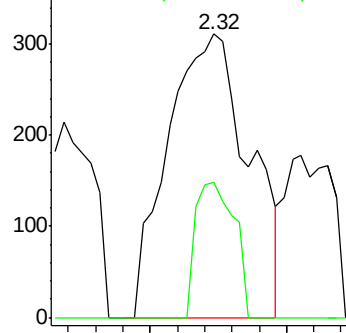
43 100

58 47.9 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

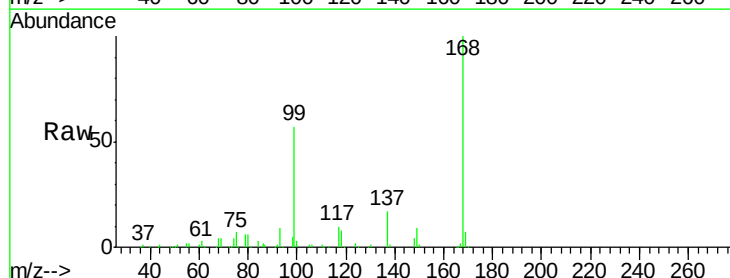
Tgt Ion: 56 Resp: 5168

Ion Ratio Lower Upper

56 100

69 169.7 24.8 37.2#

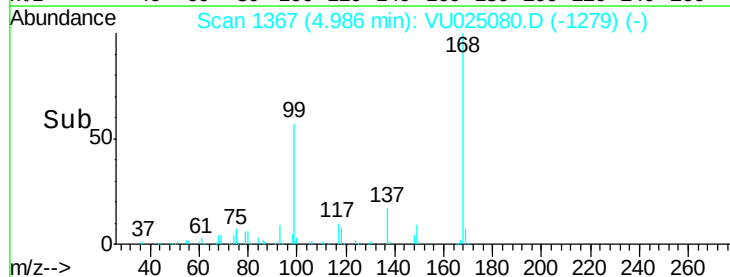
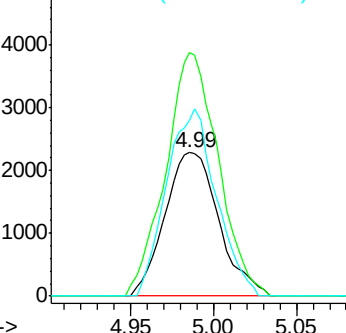
84 122.4 65.2 97.8#

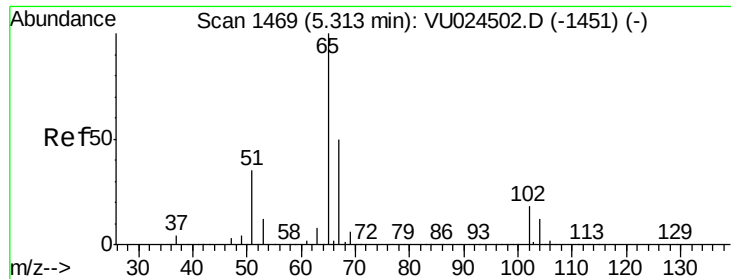


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

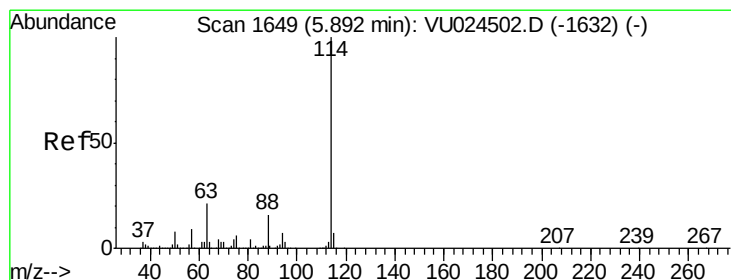
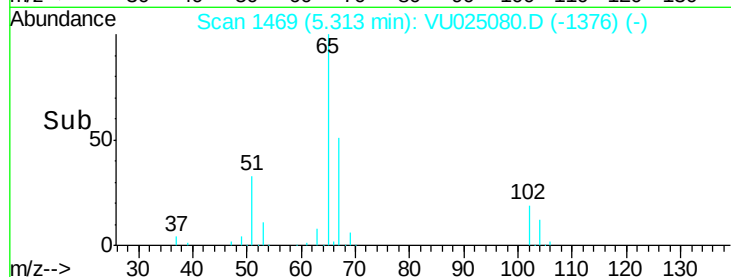
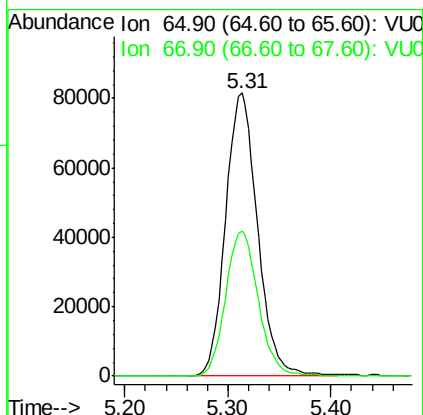
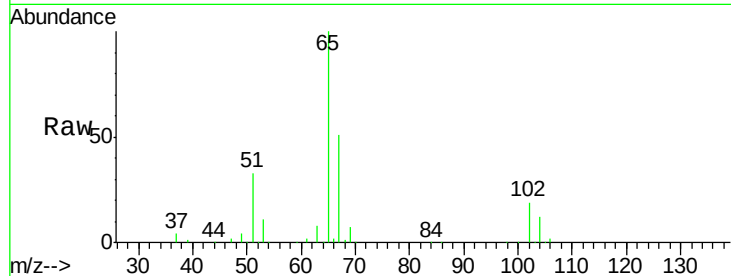




#33
 1,2-Dichloroethane-d4
 Concen: 45.141 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025080.D
 Acq: 30 Jun 2018 11:55

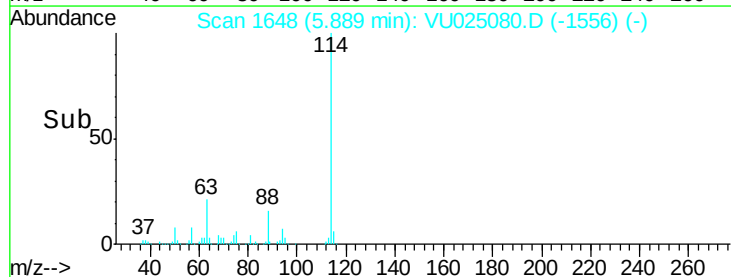
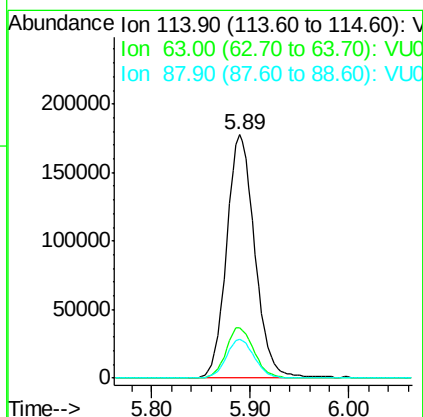
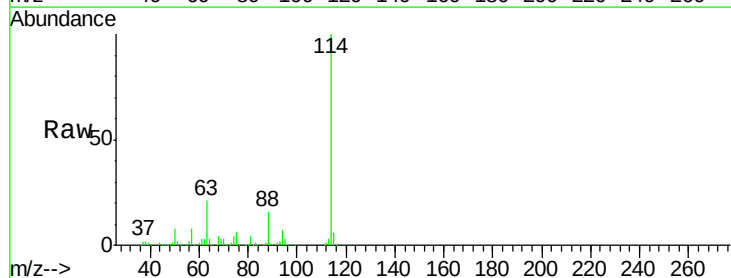
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBL01

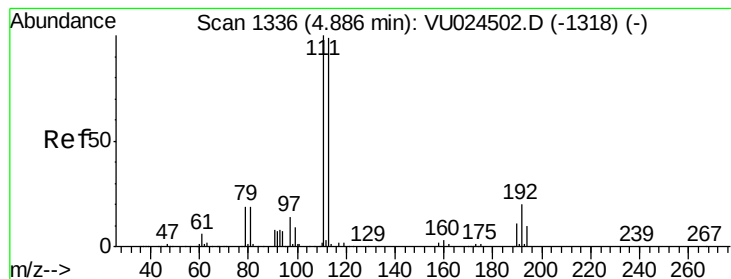
Tgt Ion: 65 Resp: 176279
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025080.D
 Acq: 30 Jun 2018 11:55

Tgt Ion: 114 Resp: 352600
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.061 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

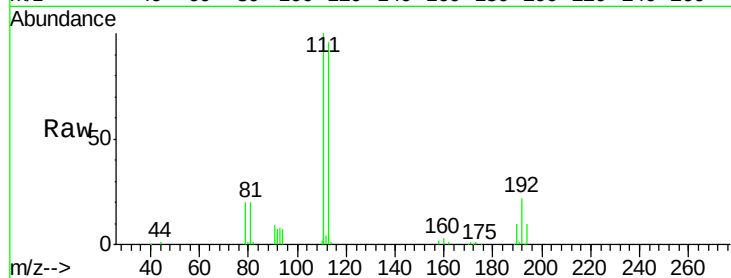
Tgt Ion:113 Resp: 137714

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

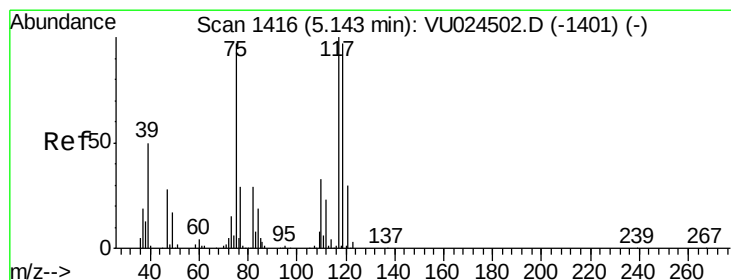
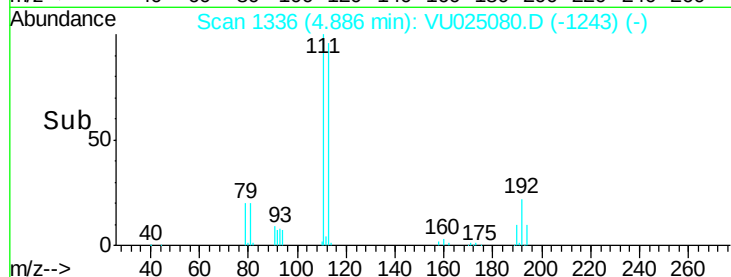
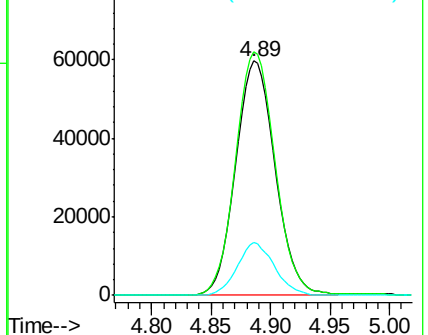
192 21.4 16.2 24.4



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: 4.115 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

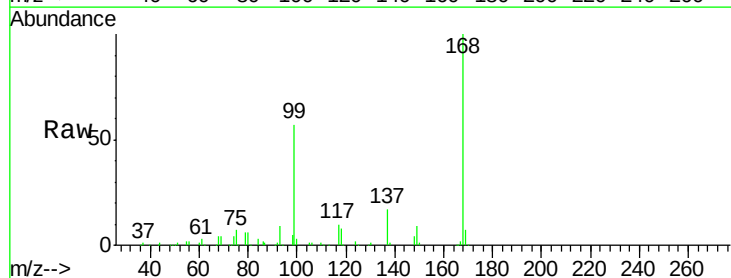
Tgt Ion: 75 Resp: 17051

Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

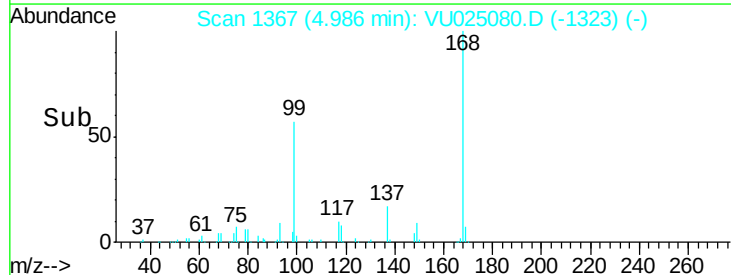
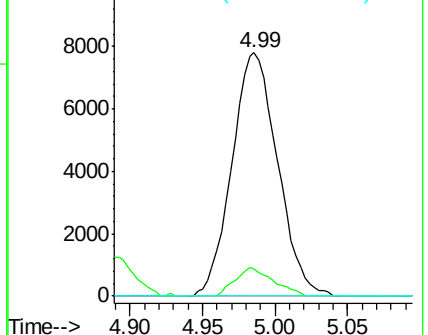
77 0.0 24.2 36.4#

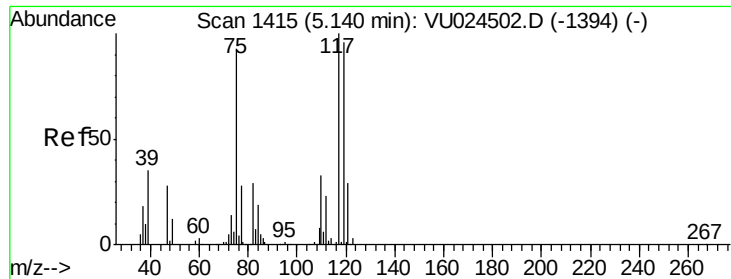


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.039 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

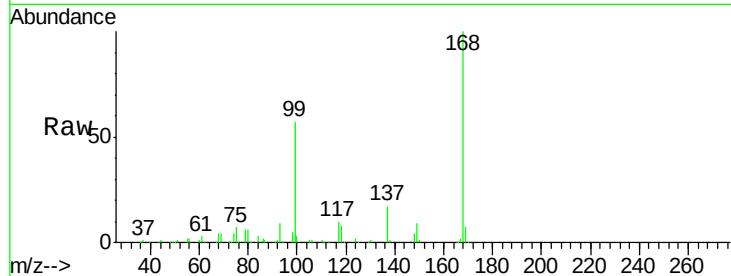
Tgt Ion:117 Resp: 22959

Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

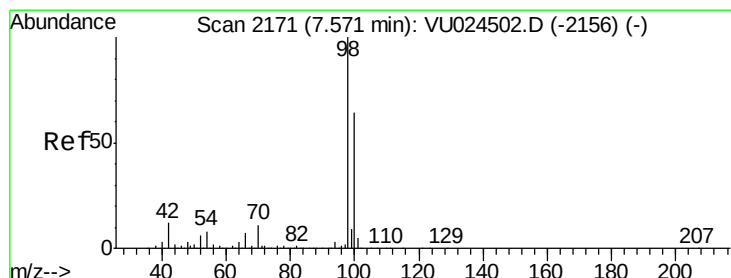
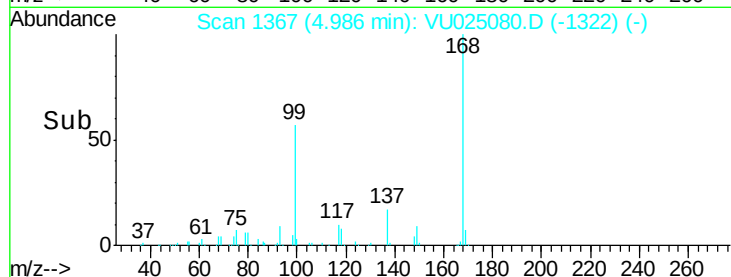
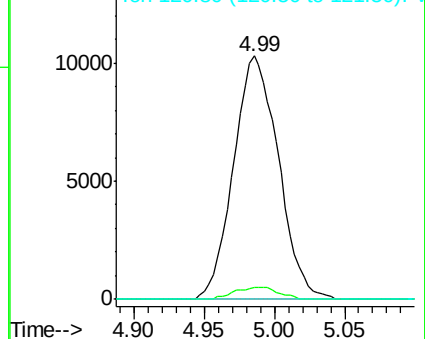
121 0.0 23.7 35.5#



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: 47.076 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025080.D

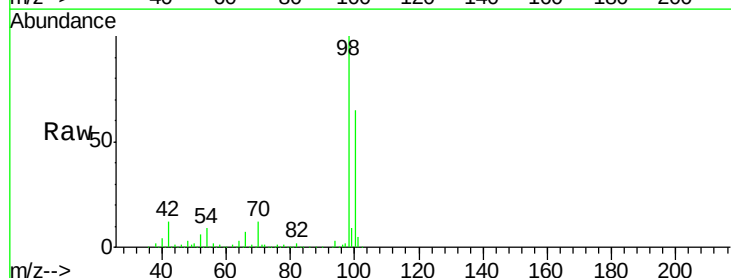
Acq: 30 Jun 2018 11:55

Tgt Ion: 98 Resp: 502484

Ion Ratio Lower Upper

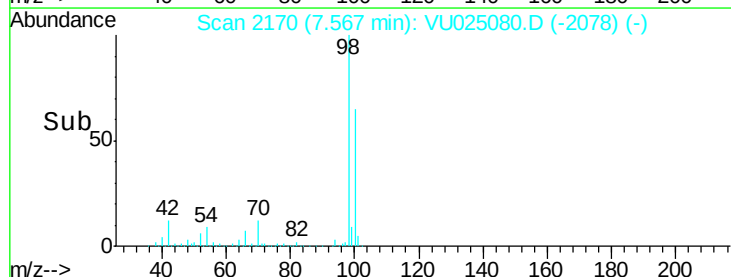
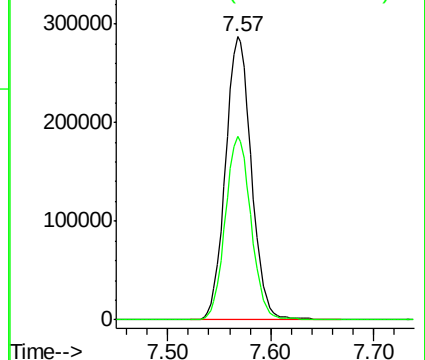
98 100

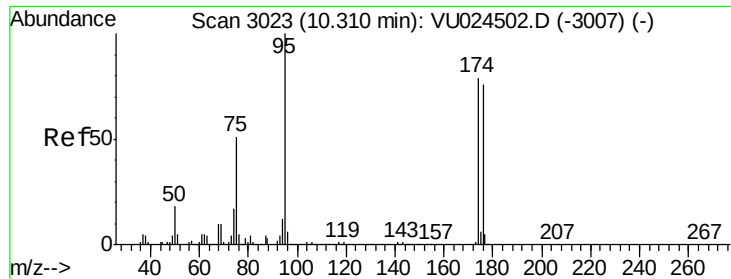
100 64.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

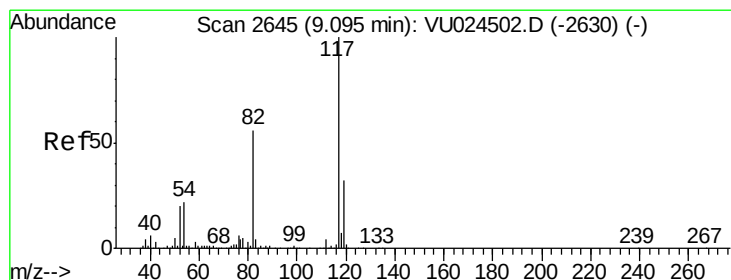
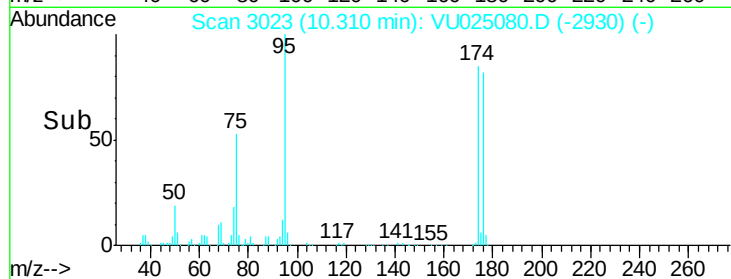
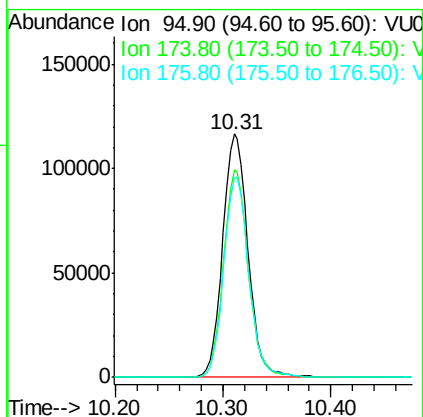
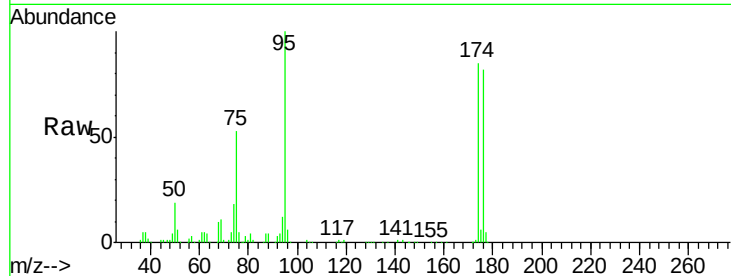




#62
4-Bromofluorobenzene
Concen: 44.794 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025080.D
Acq: 30 Jun 2018 11:55

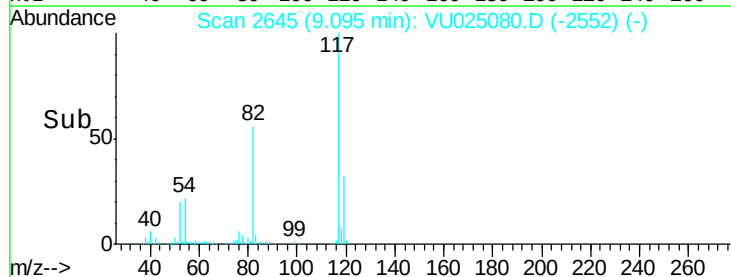
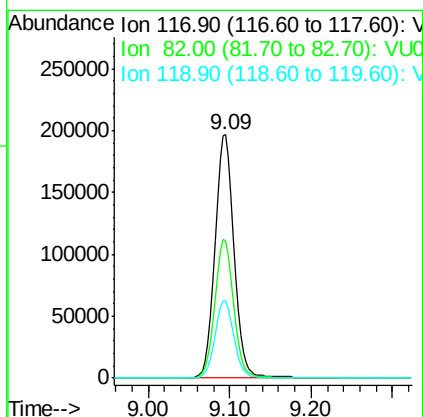
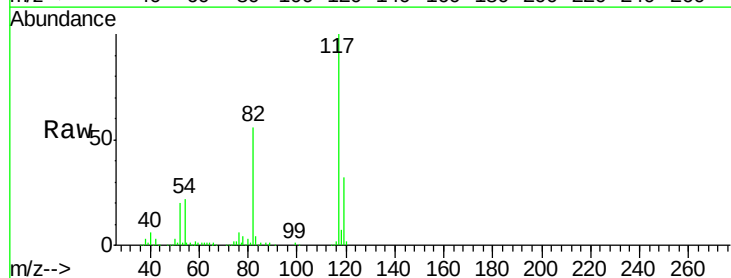
Instrument :
MSVOA_U
ClientSampleId :
VU0630WBL01

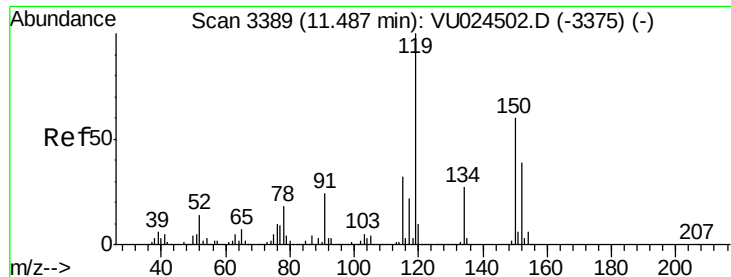
Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	165.8
176	81.5	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025080.D
Acq: 30 Jun 2018 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	31.7	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: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

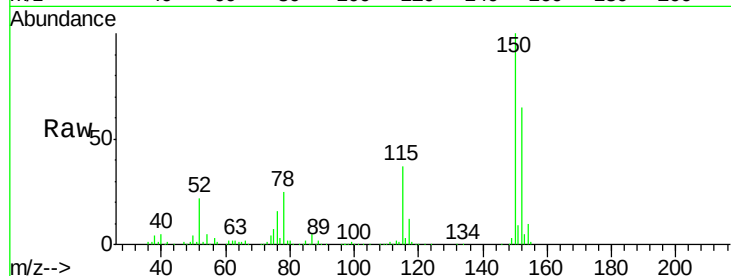
Tgt Ion:152 Resp: 171713

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

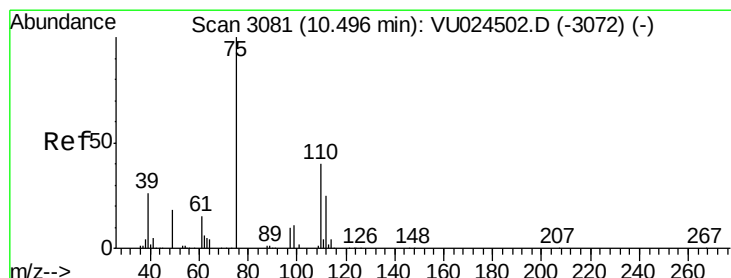
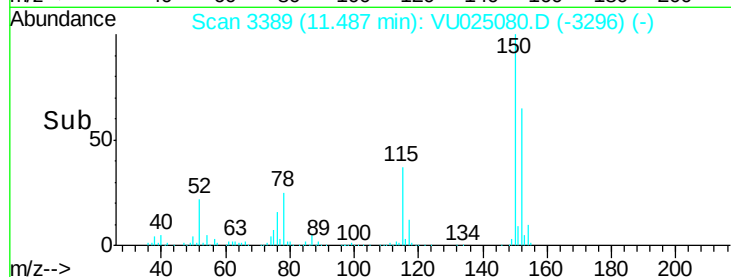
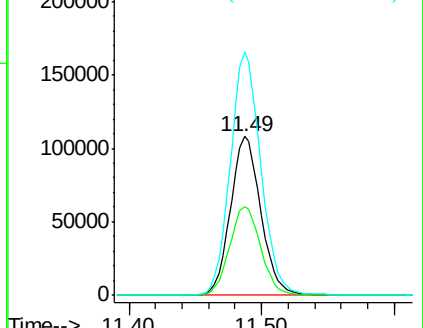
150 154.6 0.0 354.0



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: 26.257 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025080.D

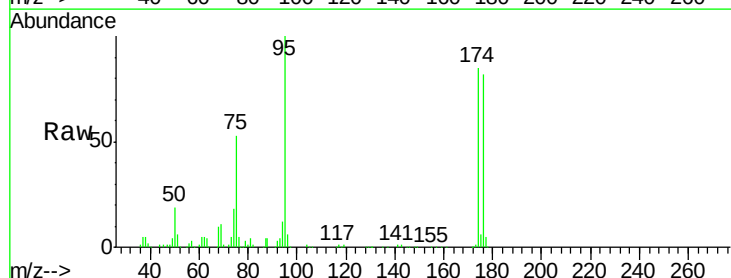
Acq: 30 Jun 2018 11:55

Tgt Ion: 75 Resp: 99263

Ion Ratio Lower Upper

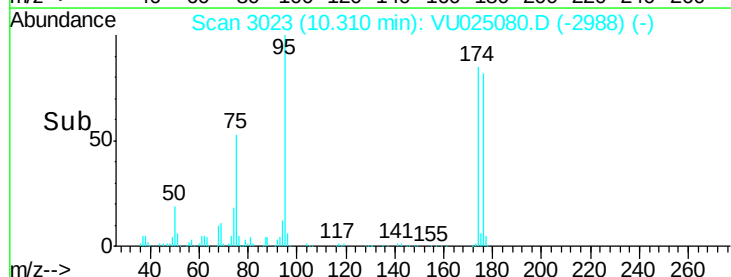
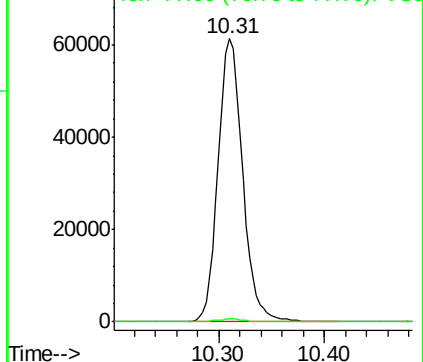
75 100

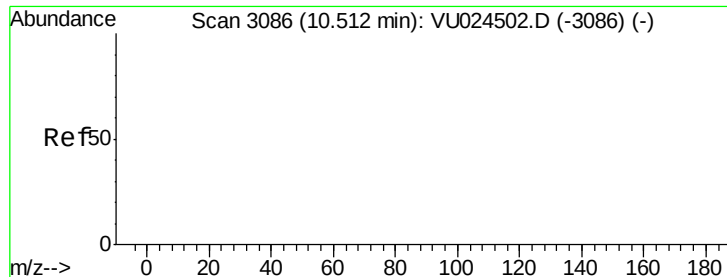
77 1.0 20.9 62.7#



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: 60.769 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

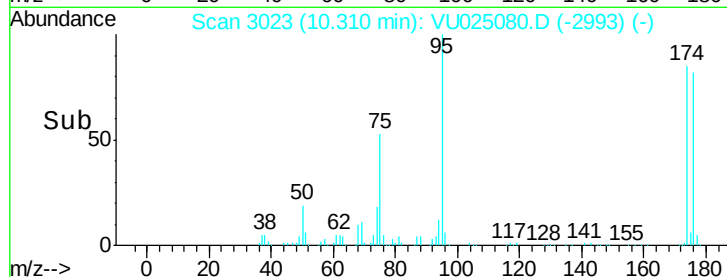
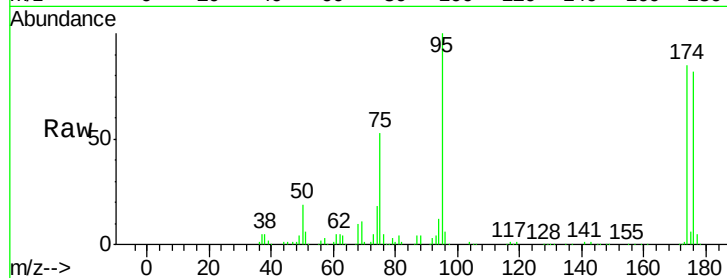
Tgt Ion: 75 Resp: 99263

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

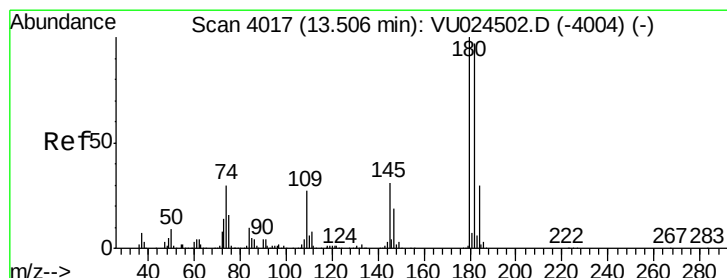
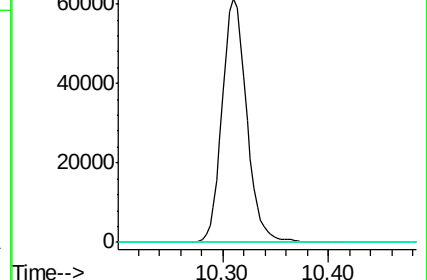
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025080.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU025080.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU025080.D (-2993) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.453 ug/l

RT: 13.52 min Scan# 4021

Delta R.T. 0.01 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

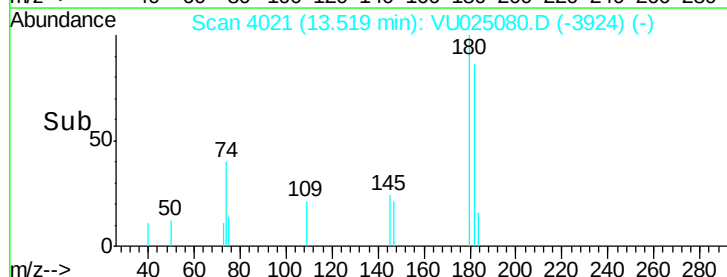
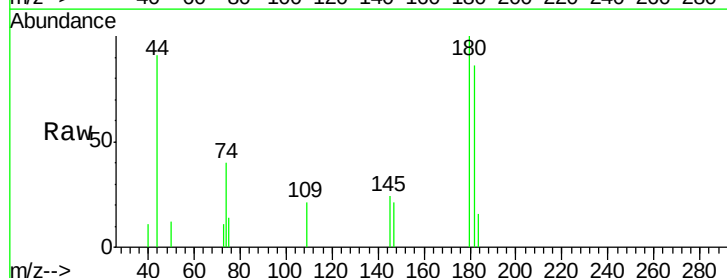
Tgt Ion: 180 Resp: 1729

Ion Ratio Lower Upper

180 100

182 93.1 48.0 144.2

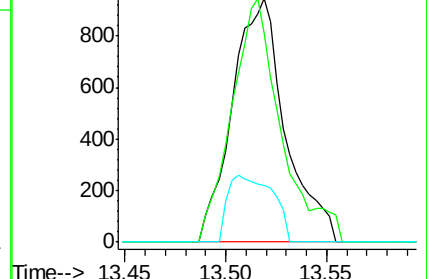
145 23.5 14.7 44.1

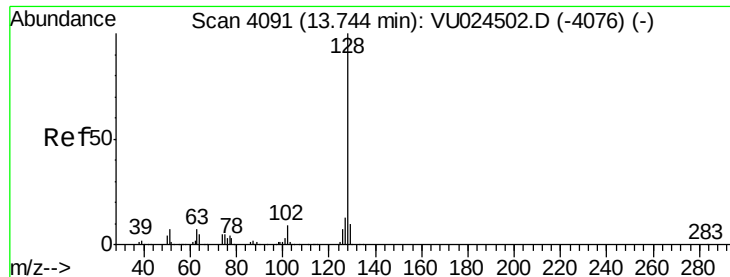


Abundance Ion 179.80 (179.50 to 180.50): VU025080.D (-3924) (-)

Ion 181.80 (181.50 to 182.50): VU025080.D (-3924) (-)

Ion 144.80 (144.50 to 145.50): VU025080.D (-3924) (-)





#95

Naphthalene

Concen: 1.868 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBL01

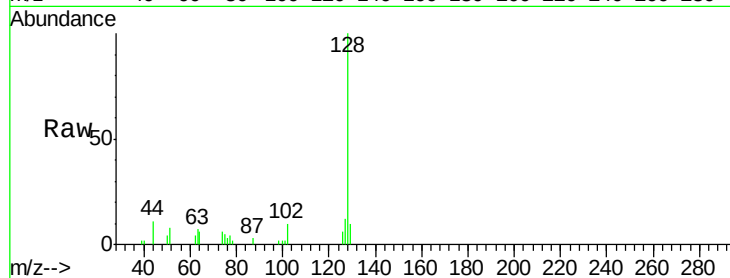
Tgt Ion:128 Resp: 15219

Ion Ratio Lower Upper

128 100

127 10.7 10.6 16.0

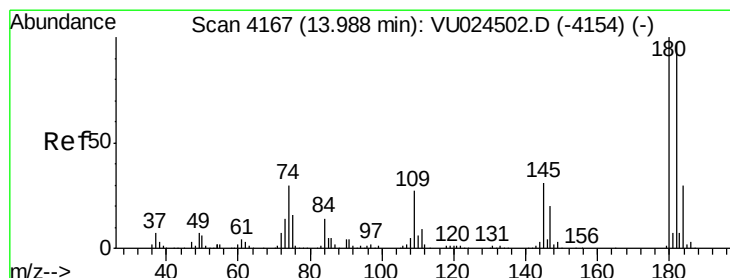
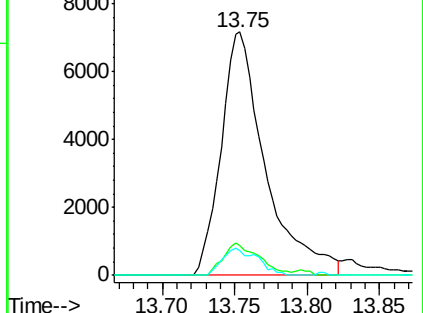
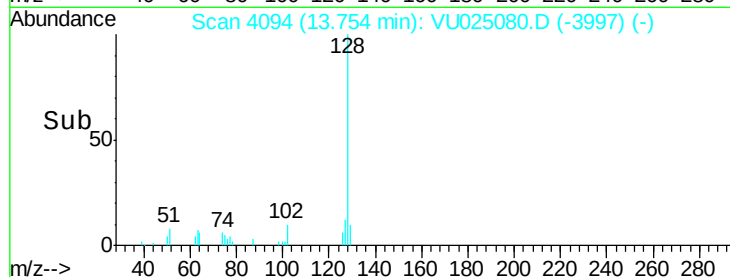
129 8.8 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.585 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU025080.D

Acq: 30 Jun 2018 11:55

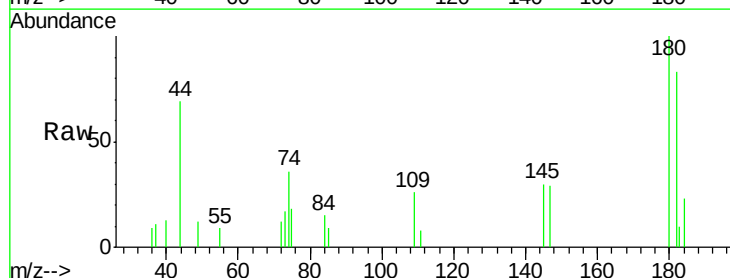
Tgt Ion:180 Resp: 2224

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.7

145 27.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

