

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025121.D
 Acq On : 01 Jul 2018 05:44
 Operator : MD/SY
 Sample : J3804-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GPW-01

Quant Time: Jul 02 05:47:54 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	205886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305231	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148551	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	157367	46.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.64%	
35) Dibromofluoromethane	4.89	113	120458	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
50) Toluene-d8	7.57	98	439603	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	10.31	95	161713	44.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.16%	

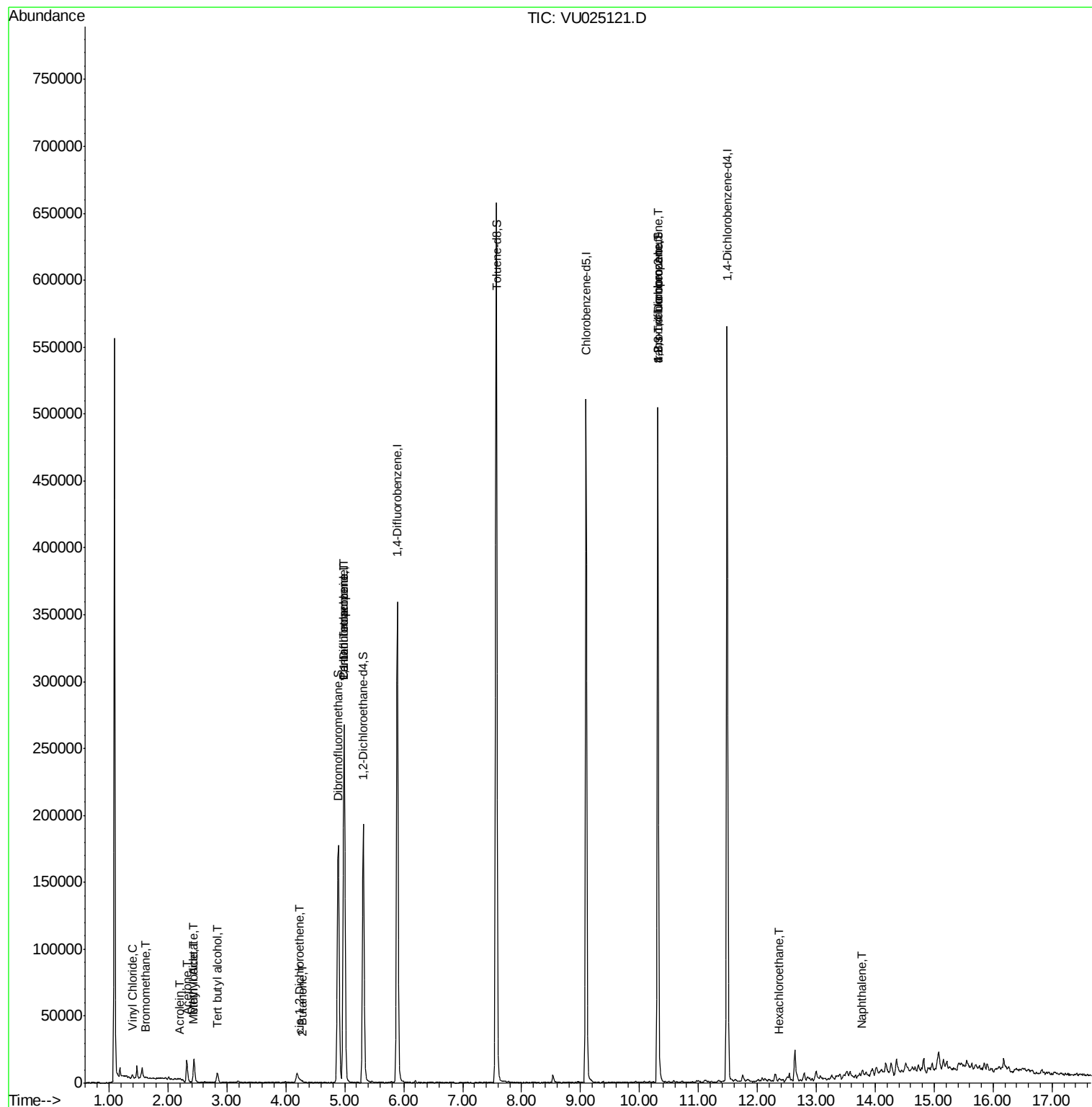
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	712	0.262	ug/l #	83
5) Bromomethane	1.63	94	309	0.235	ug/l #	50
6) Chloroethane	1.69	64	112	Below Cal	#	43
10) Methyl Iodide	2.42	142	44	5.307	ug/l #	40
11) Tert butyl alcohol	2.83	59	5173	6.328	ug/l #	78
13) Acrolein	2.20	56	145	0.338	ug/l #	13
16) Acetone	2.32	43	18025	9.981	ug/l	97
18) Methyl Acetate	2.44	43	3967	1.025	ug/l #	53
25) 2-Butanone	4.28	43	2673	1.102	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	1352	0.455	ug/l	87
31) Cyclohexane	4.99	56	4398	Below Cal	#	8
36) 1,1-Dichloropropene	4.99	75	15752	4.392	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20153	5.110	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	84655	25.884	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	84655	59.906	ug/l #	100
90) Hexachloroethane	12.35	117	516	0.248	ug/l #	8
95) Naphthalene	13.76	128	635	0.737	ug/l #	69

(#) = 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: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

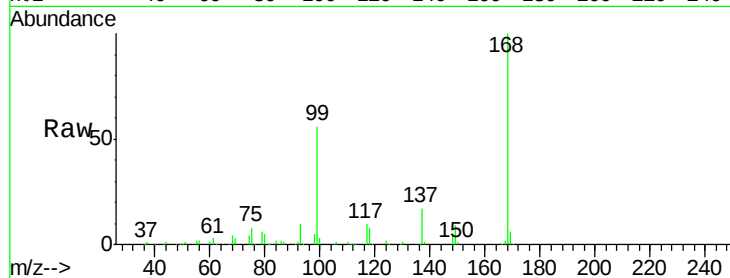
GPW-01

Tgt Ion:168 Resp: 205886

Ion Ratio Lower Upper

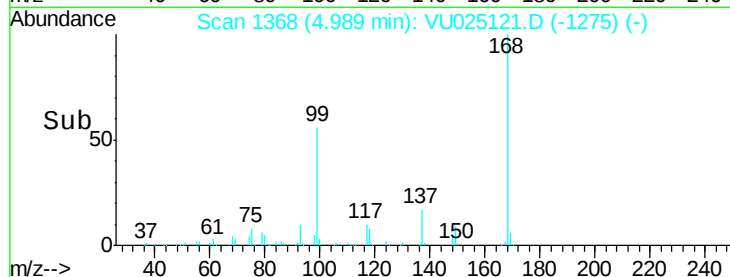
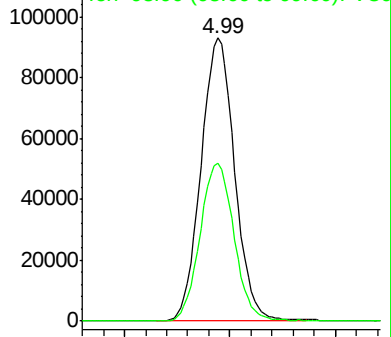
168 100

99 55.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 0.262 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025121.D

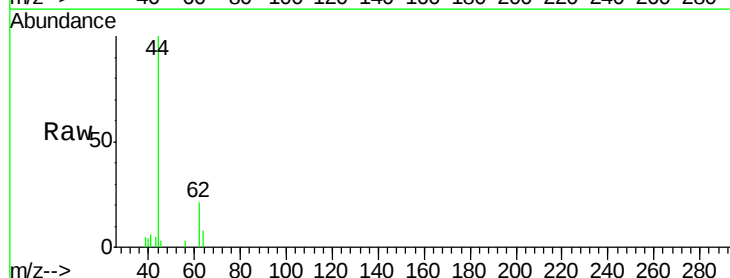
Acq: 01 Jul 2018 05:44

Tgt Ion: 62 Resp: 712

Ion Ratio Lower Upper

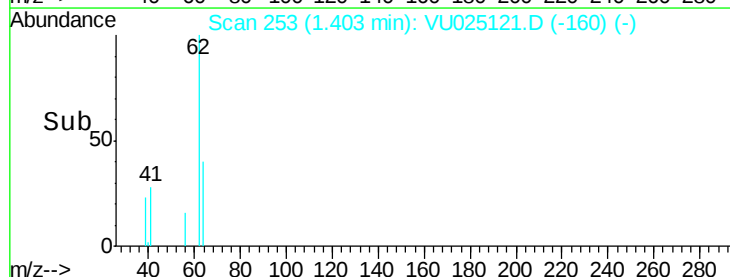
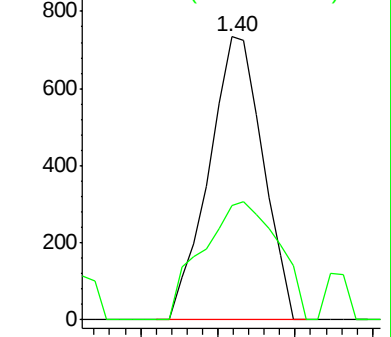
62 100

64 40.3 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

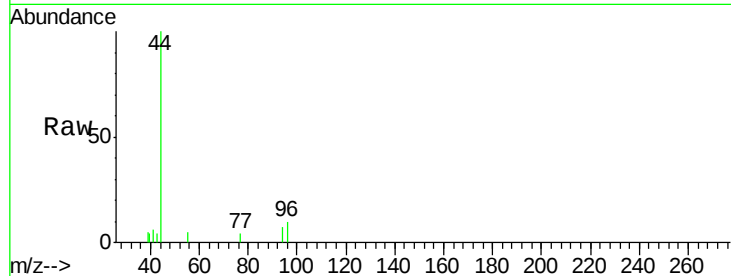
GPW-01

Tgt Ion: 94 Resp: 309

Ion Ratio Lower Upper

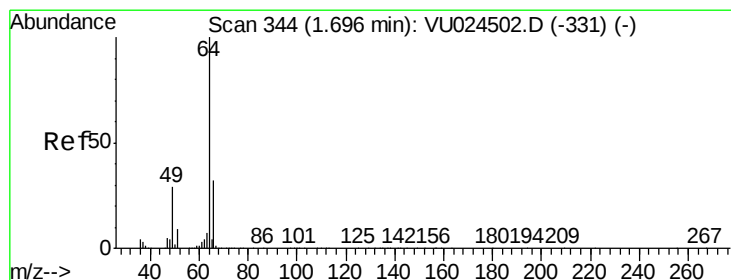
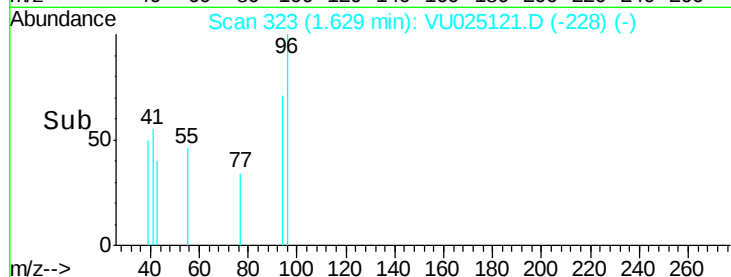
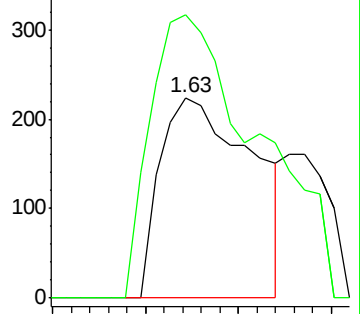
94 100

96 141.5 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: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025121.D

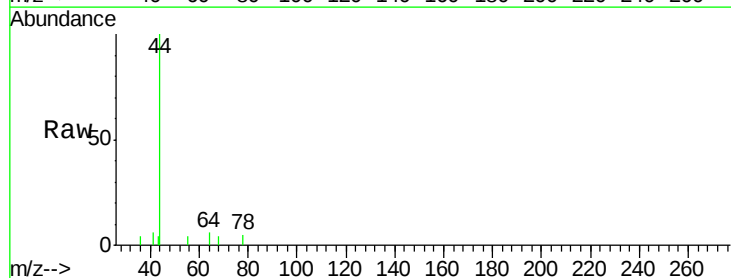
Acq: 01 Jul 2018 05:44

Tgt Ion: 64 Resp: 112

Ion Ratio Lower Upper

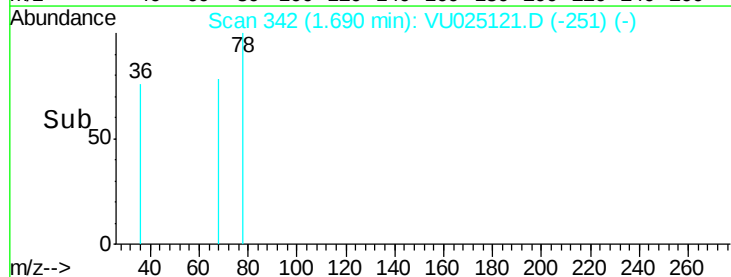
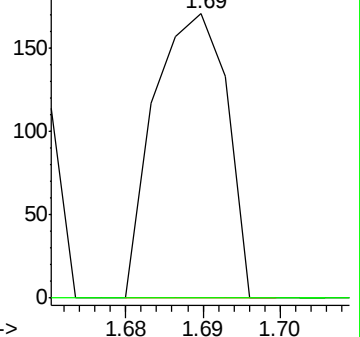
64 100

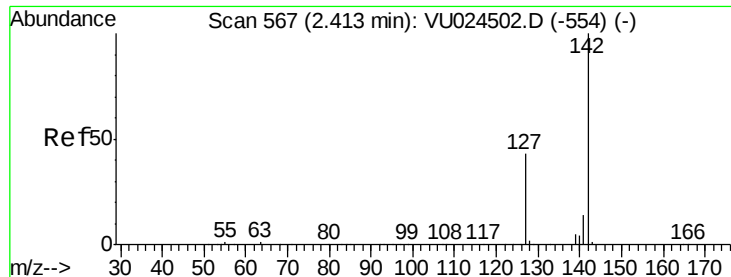
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

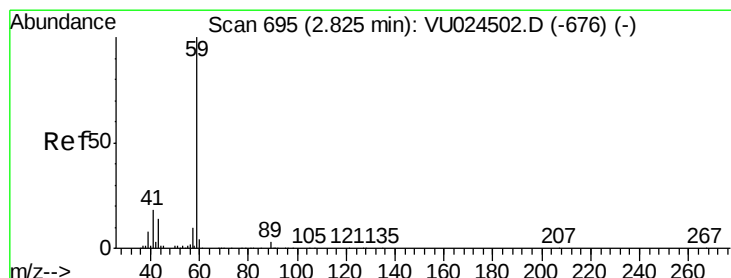
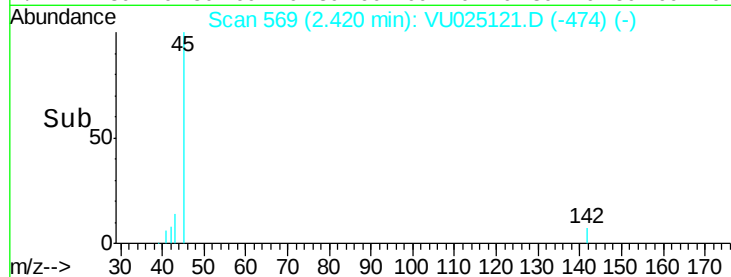
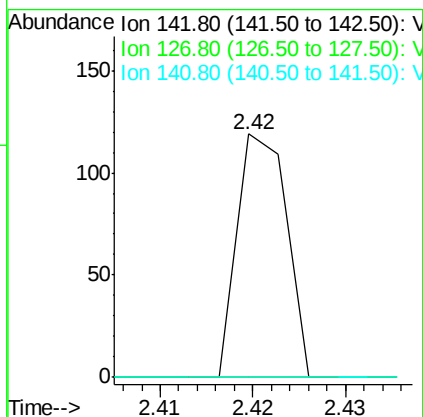
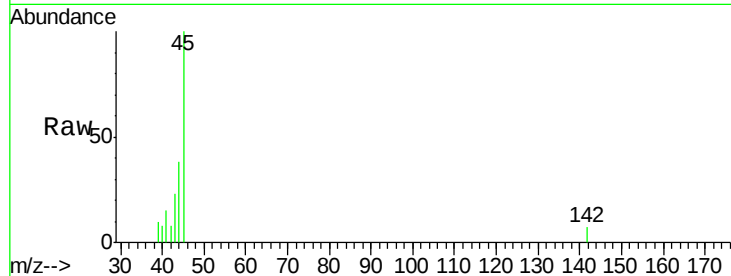




#10
Methyl Iodide
Concen: 5.307 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

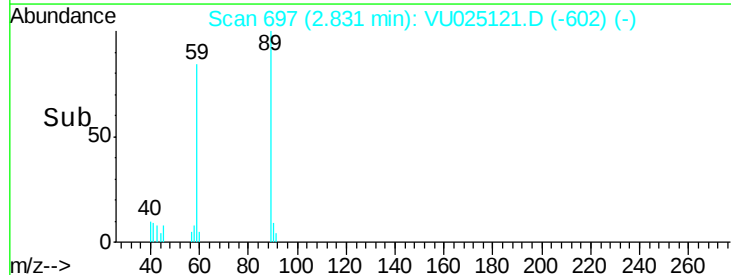
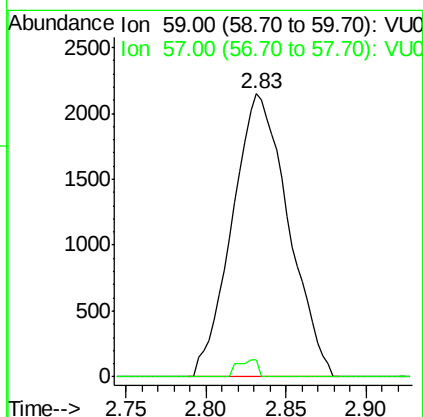
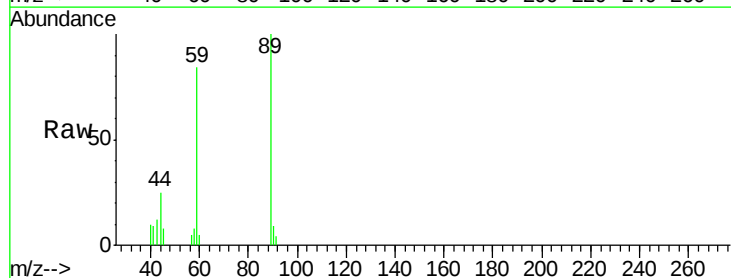
Instrument :
MSVOA_U
ClientSampleId :
GPW-01

Tgt Ion:142 Resp: 44
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 6.328 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

Tgt Ion: 59 Resp: 5173
Ion Ratio Lower Upper
59 100
57 2.1 8.5 12.7#

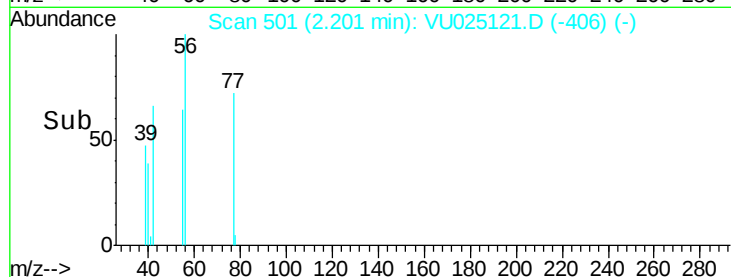
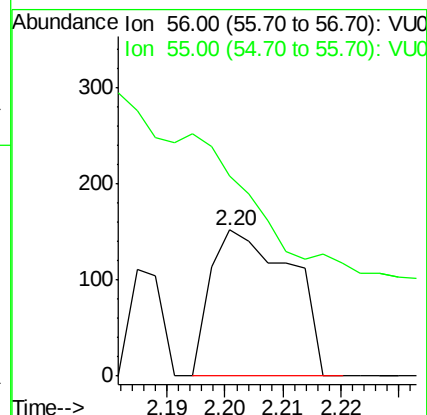
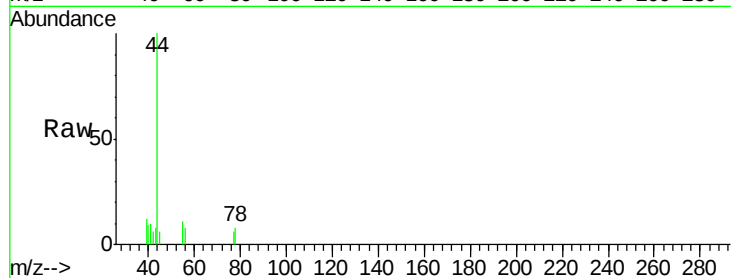




#13
Acrolein
Concen: 0.338 ug/l
RT: 2.20 min Scan# 501
Delta R.T. 0.01 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

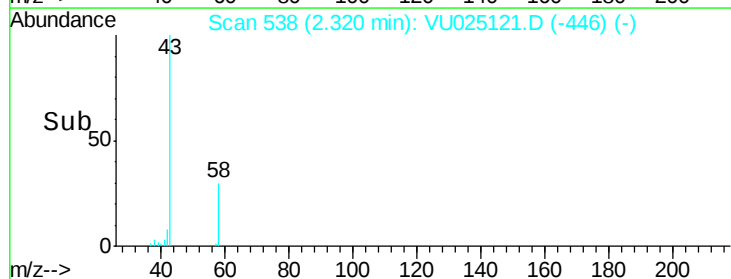
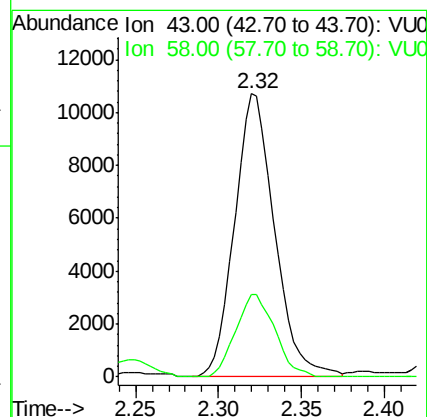
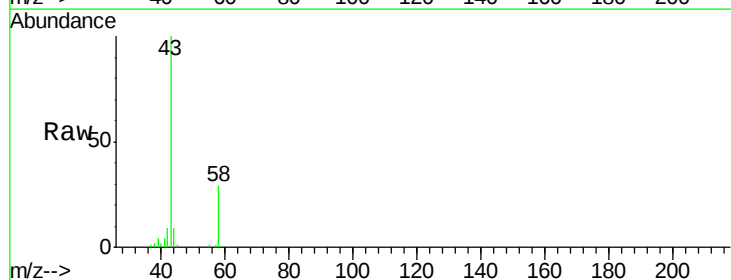
Instrument :
MSVOA_U
ClientSampled :
GPW-01

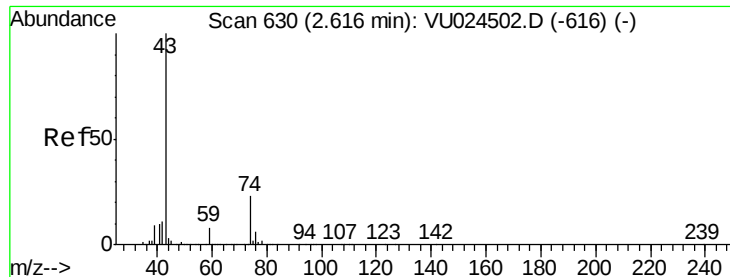
Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: 9.981 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

Tgt Ion: 43 Resp: 18025
Ion Ratio Lower Upper
43 100
58 29.1 24.4 36.6

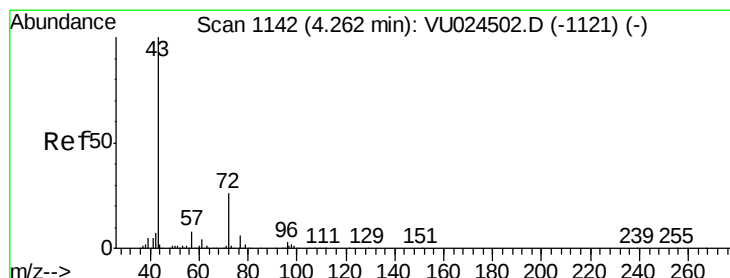
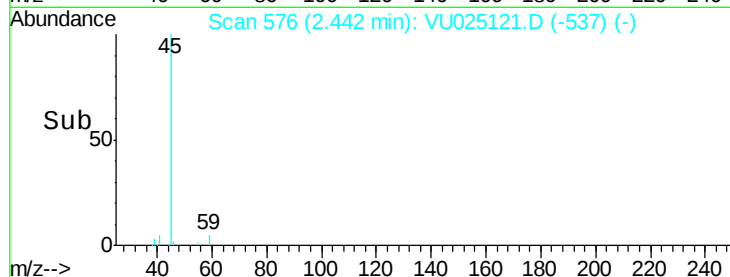
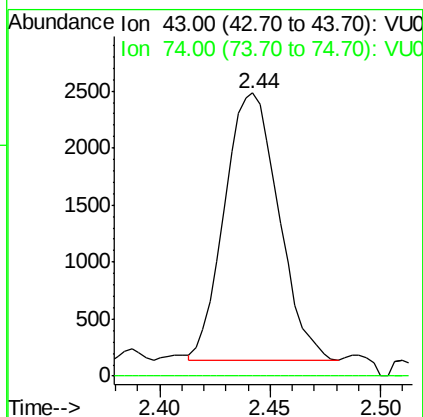
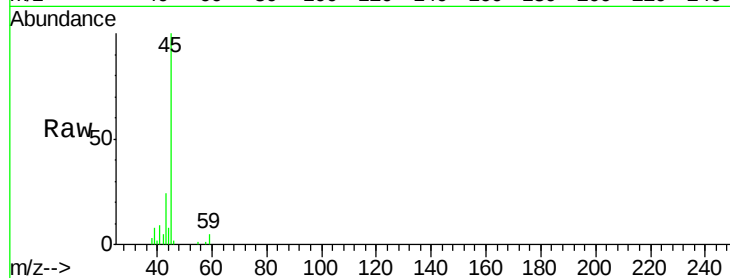




#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 2.44 min Scan# 576
Delta R.T. -0.17 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

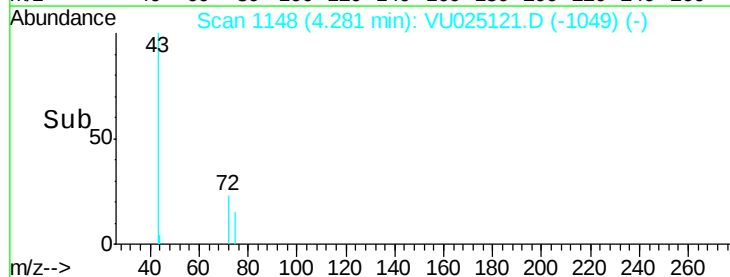
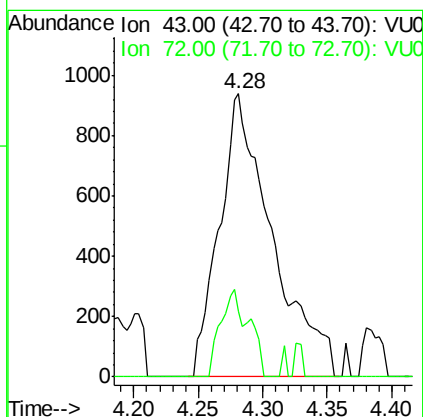
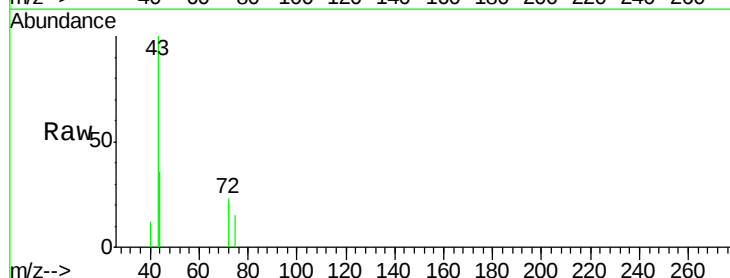
Instrument :
MSVOA_U
ClientSampled :
GPW-01

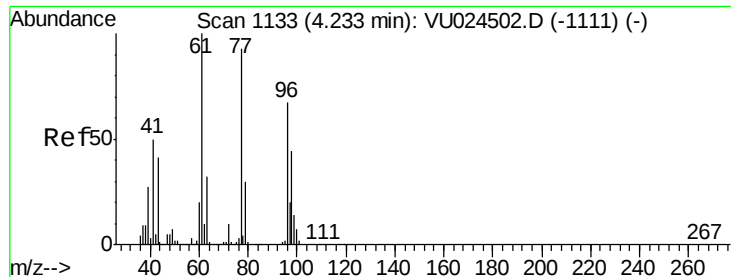
Tgt Ion: 43 Resp: 3967
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#25
2-Butanone
Concen: 1.102 ug/l
RT: 4.28 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

Tgt Ion: 43 Resp: 2673
Ion Ratio Lower Upper
43 100
72 23.5 19.6 29.4





#27

cis-1,2-Dichloroethene

Concen: 0.455 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

GPW-01

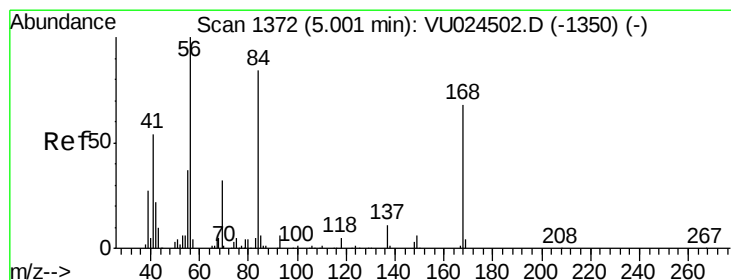
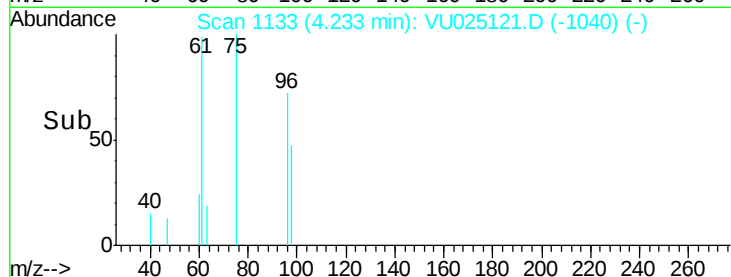
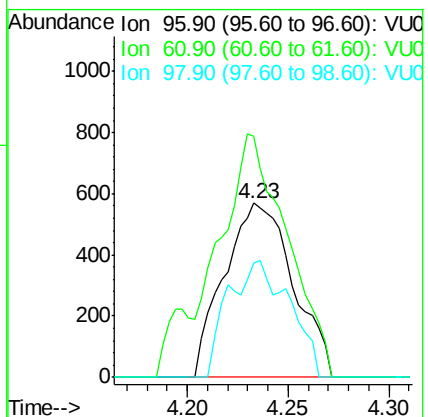
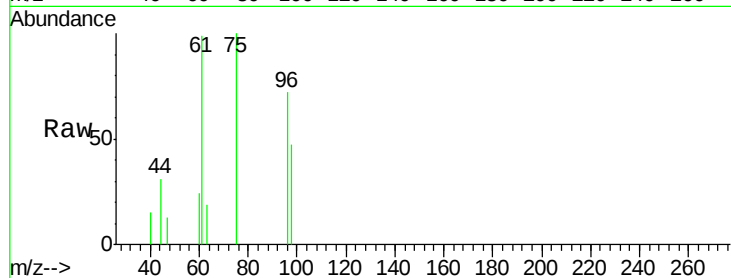
Tgt Ion: 96 Resp: 1352

Ion Ratio Lower Upper

96 100

61 132.6 0.0 306.6

98 59.4 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

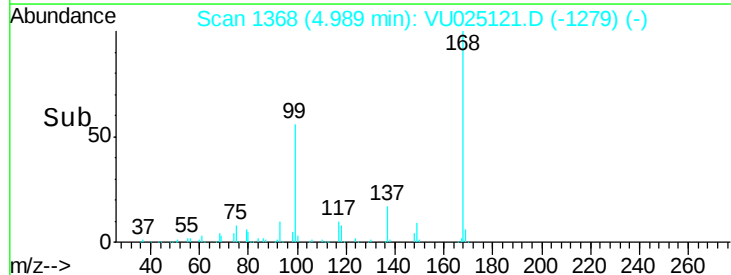
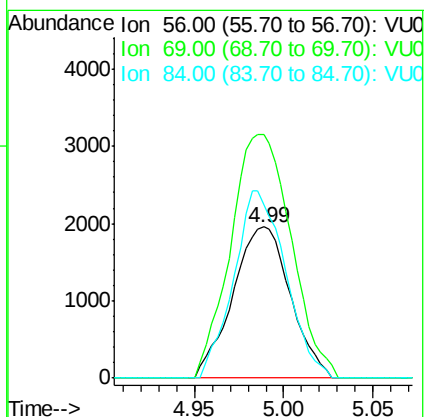
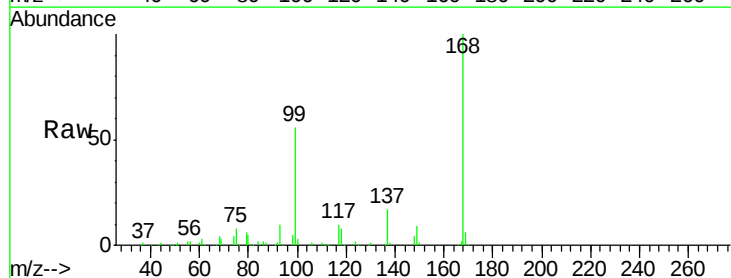
Tgt Ion: 56 Resp: 4398

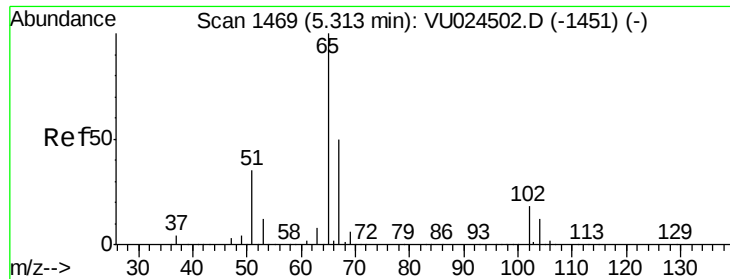
Ion Ratio Lower Upper

56 100

69 161.2 24.8 37.2#

84 114.5 65.2 97.8#

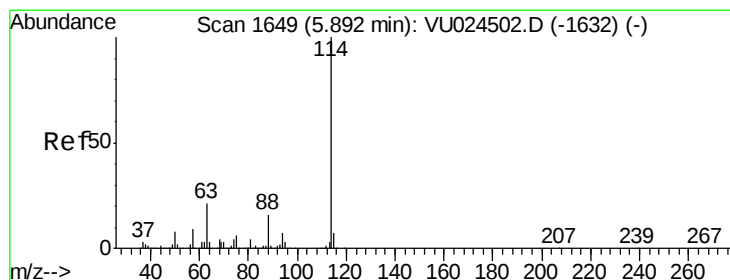
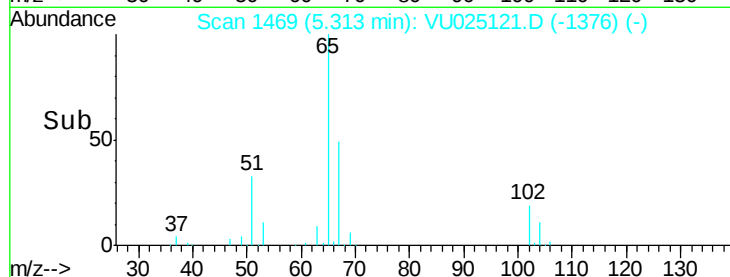
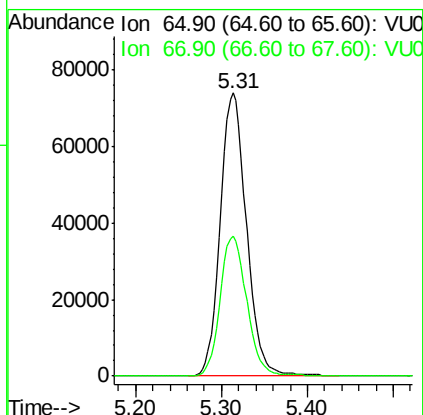
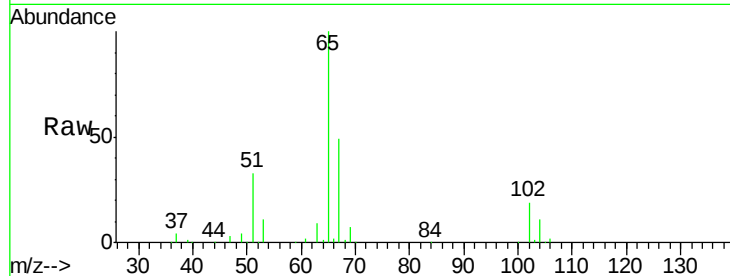




#33
 1,2-Dichloroethane-d4
 Concen: 46.820 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025121.D
 Acq: 01 Jul 2018 05:44

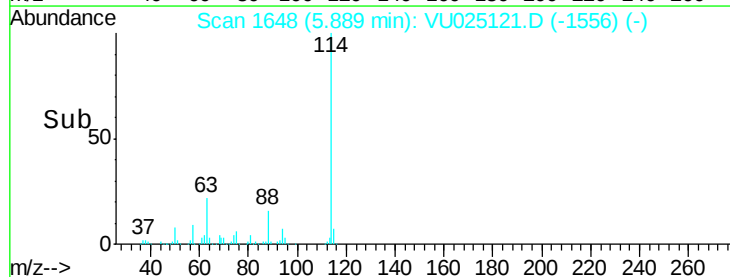
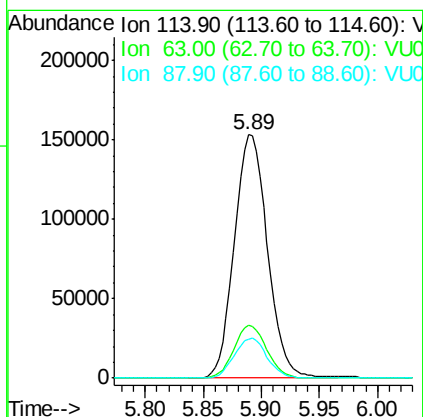
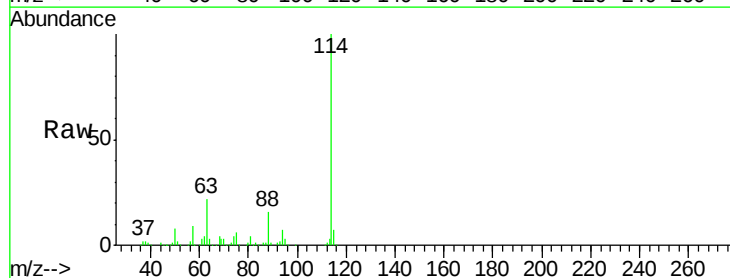
Instrument :
 MSVOA_U
 ClientSampleId :
 GPW-01

Tgt Ion: 65 Resp: 157367
 Ion Ratio Lower Upper
 65 100
 67 50.3 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: VU025121.D
 Acq: 01 Jul 2018 05:44

Tgt Ion: 114 Resp: 305231
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 45.4
 88 16.1 0.0 31.0

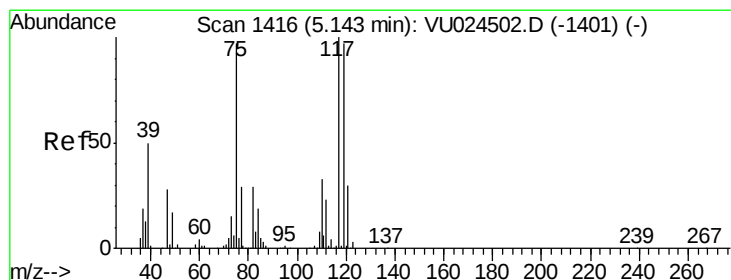
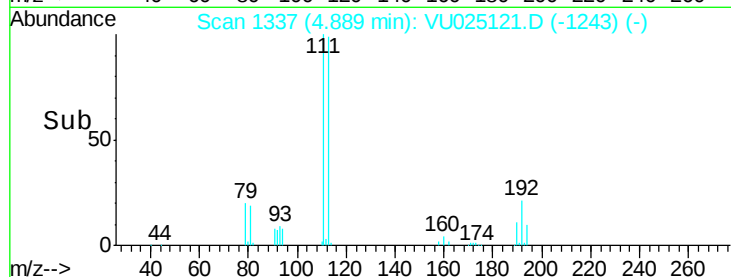
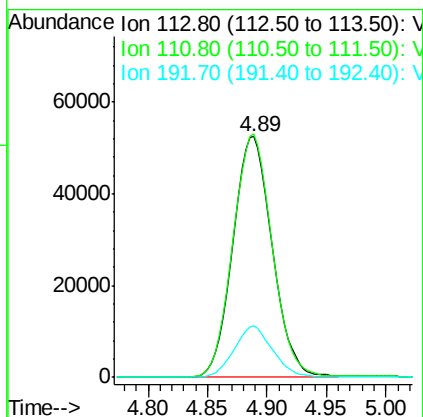
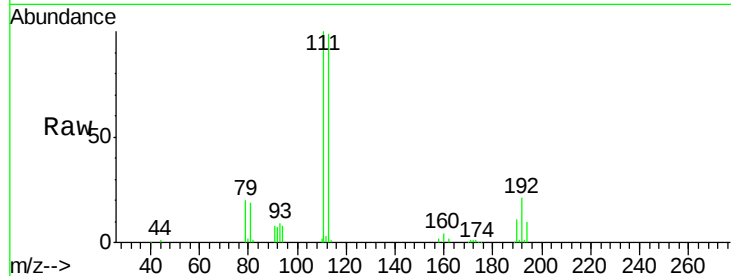




#35
 Dibromofluoromethane
 Concen: 47.552 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025121.D
 Acq: 01 Jul 2018 05:44

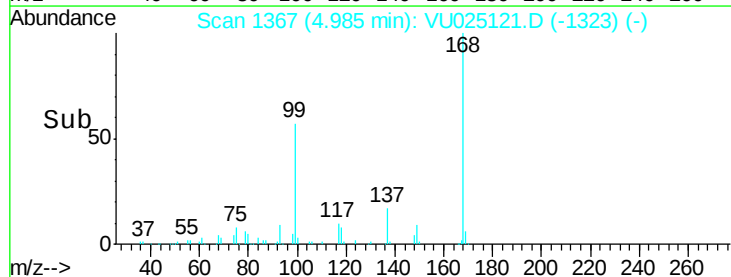
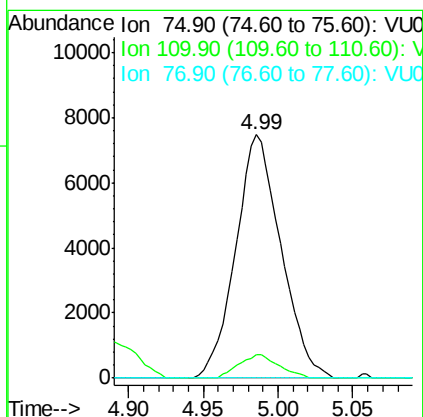
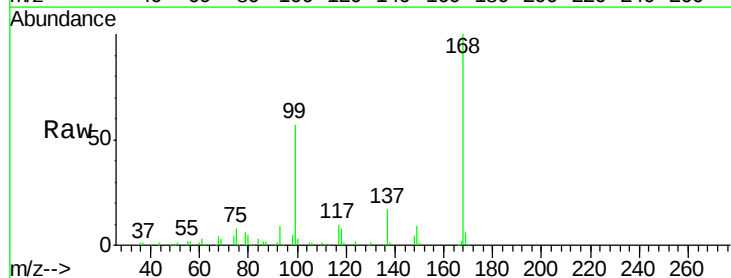
Instrument :
 MSVOA_U
 ClientSampleId :
 GPW-01

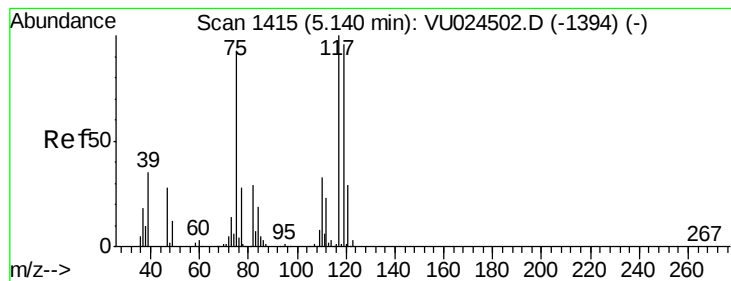
Tgt Ion: 113 Resp: 120458
 Ion Ratio Lower Upper
 113 100
 111 100.7 82.2 123.4
 192 20.7 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.392 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU025121.D
 Acq: 01 Jul 2018 05:44

Tgt Ion: 75 Resp: 15752
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.110 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

GPW-01

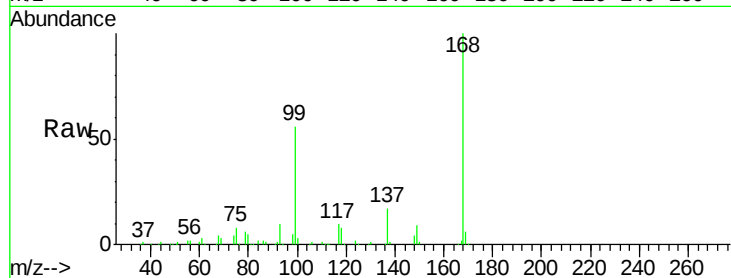
Tgt Ion:117 Resp: 20153

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

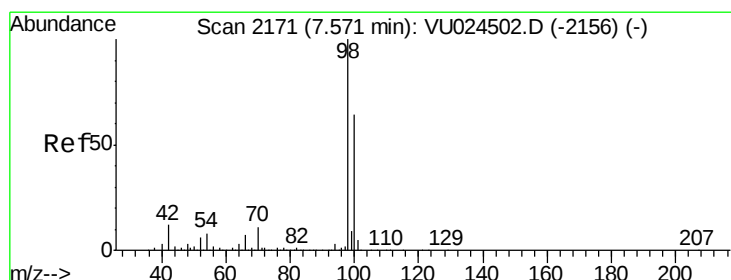
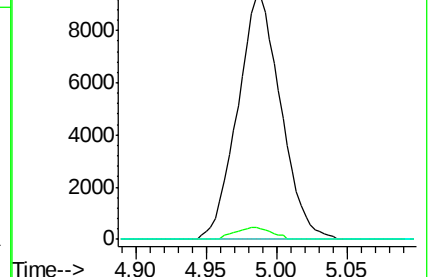
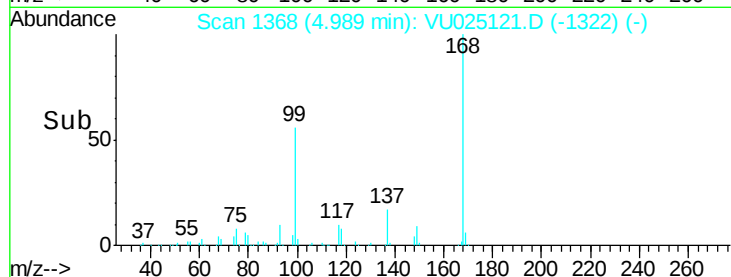
121 0.0 23.7 35.5#



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: 47.576 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU025121.D

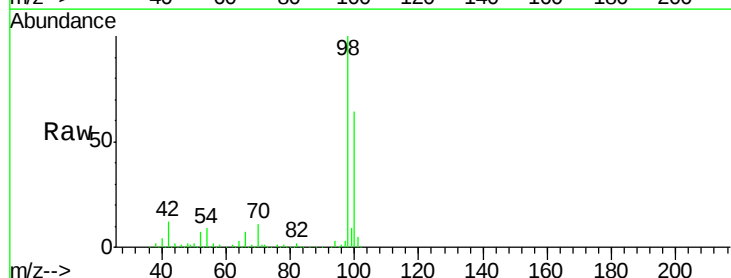
Acq: 01 Jul 2018 05:44

Tgt Ion: 98 Resp: 439603

Ion Ratio Lower Upper

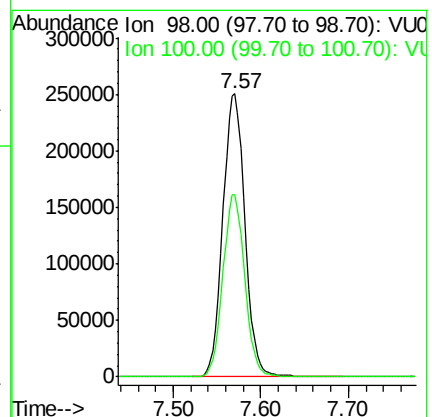
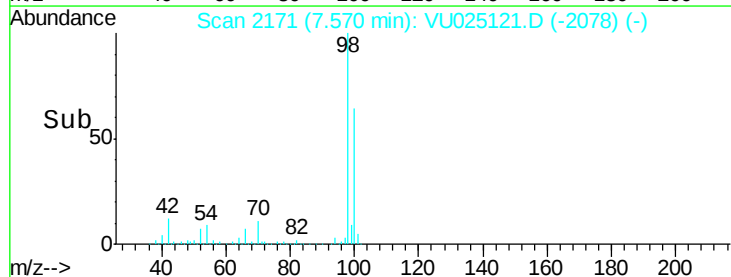
98 100

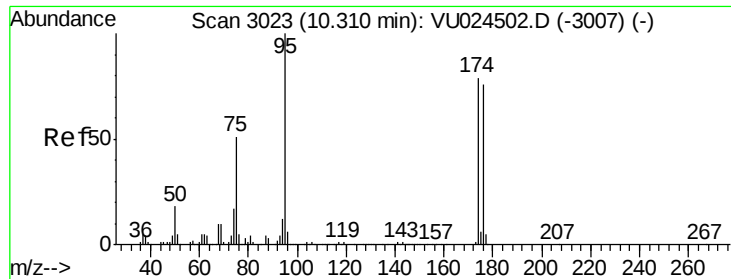
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 44.080 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

GPW-01

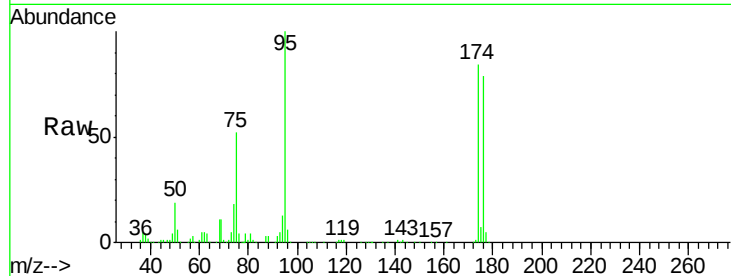
Tgt Ion: 95 Resp: 161713

Ion Ratio Lower Upper

95 100

174 84.6 0.0 165.8

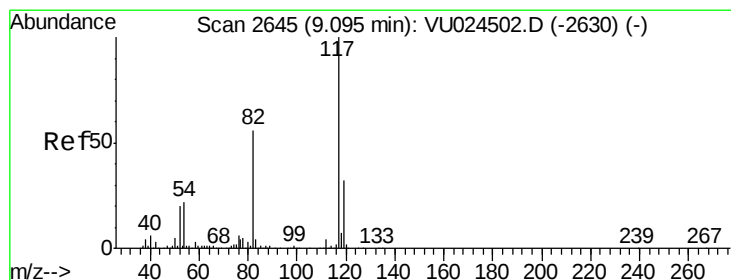
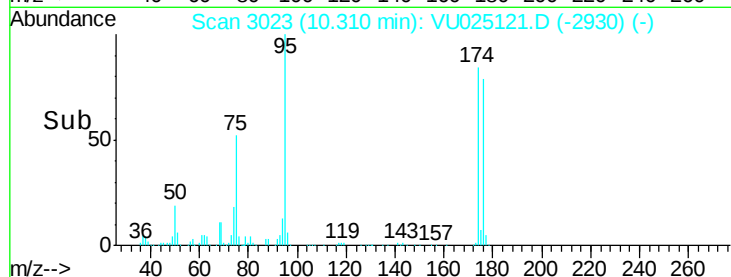
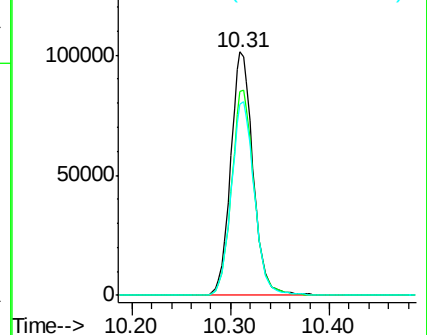
176 81.7 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU025121.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025121.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025121.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

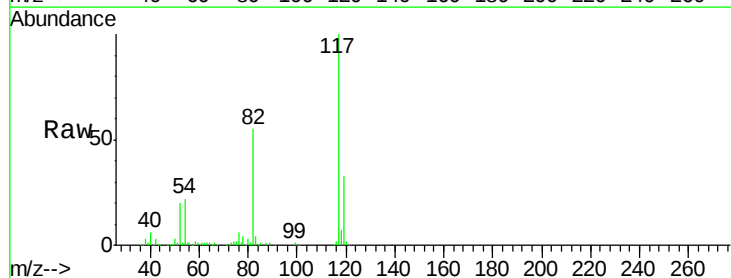
Tgt Ion: 117 Resp: 280531

Ion Ratio Lower Upper

117 100

82 55.2 44.3 66.5

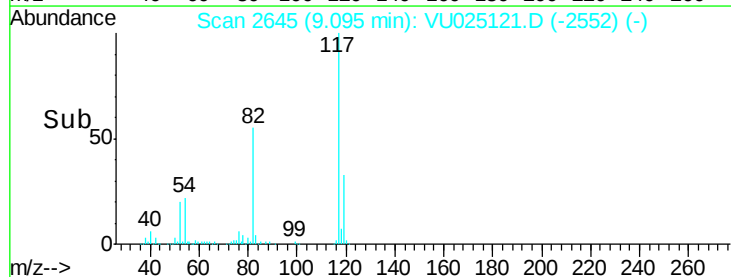
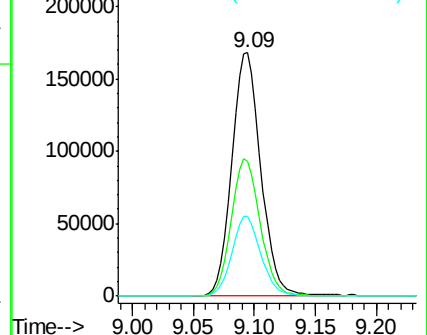
119 32.5 25.4 38.2

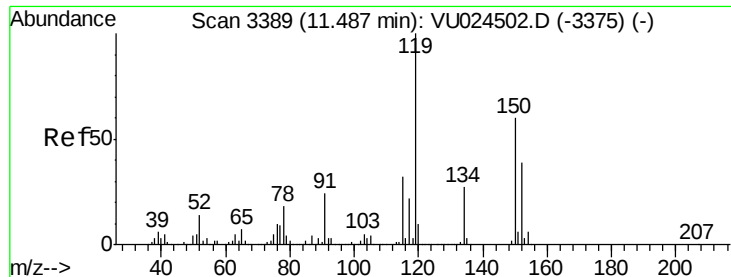


Abundance Ion 116.90 (116.60 to 117.60): VU025121.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU025121.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU025121.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

GPW-01

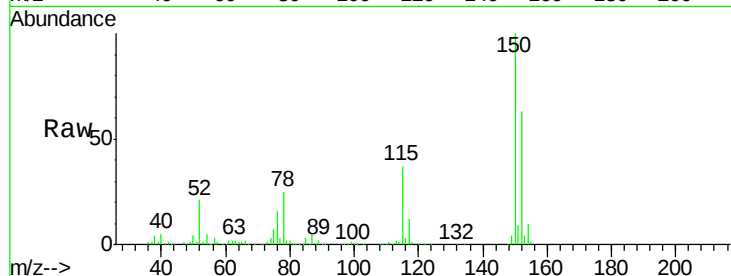
Tgt Ion:152 Resp: 148551

Ion Ratio Lower Upper

152 100

115 58.8 43.0 129.0

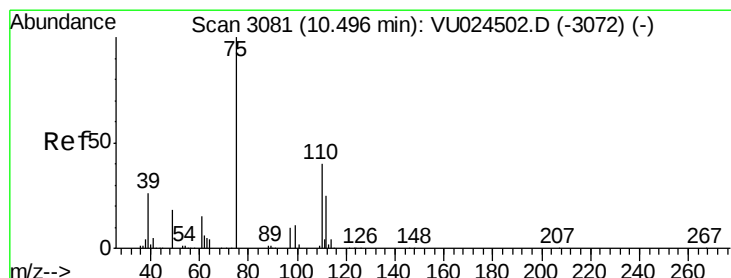
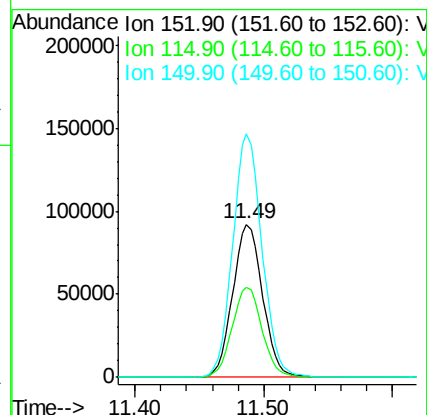
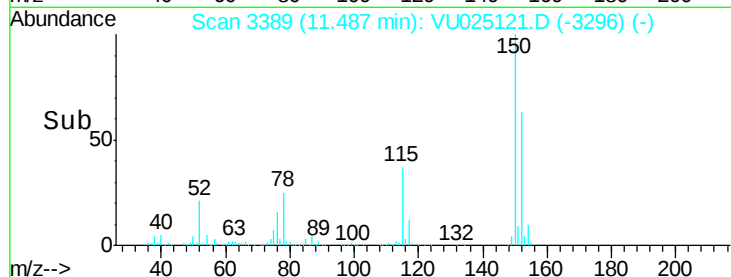
150 155.3 0.0 354.0



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: 25.884 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025121.D

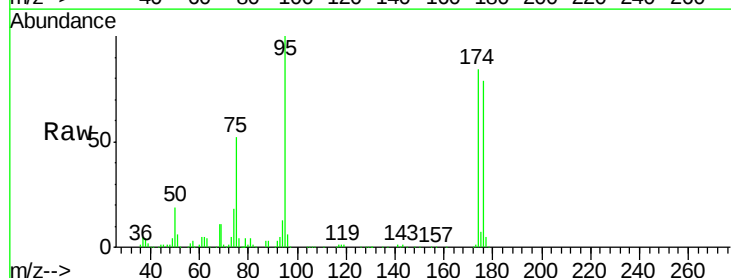
Acq: 01 Jul 2018 05:44

Tgt Ion: 75 Resp: 84655

Ion Ratio Lower Upper

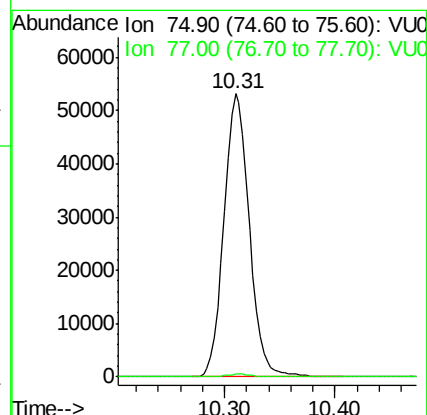
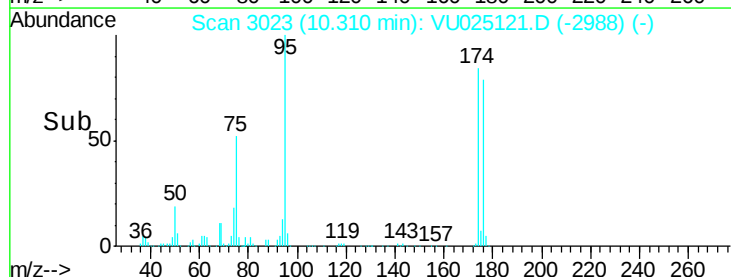
75 100

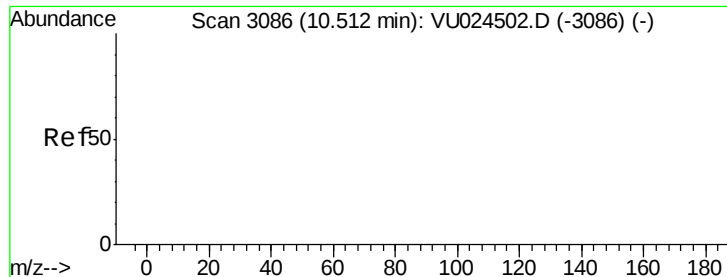
77 0.9 20.9 62.7#



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: 59.906 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025121.D

Acq: 01 Jul 2018 05:44

Instrument :

MSVOA_U

ClientSampleId :

GPW-01

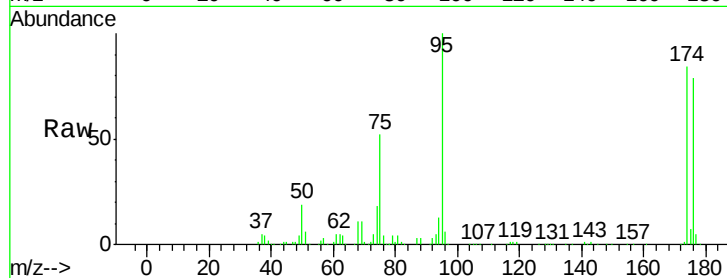
Tgt Ion: 75 Resp: 84655

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

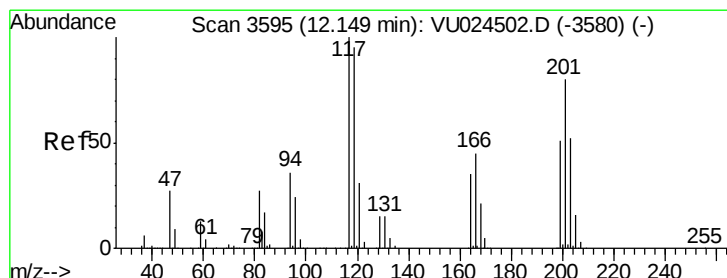
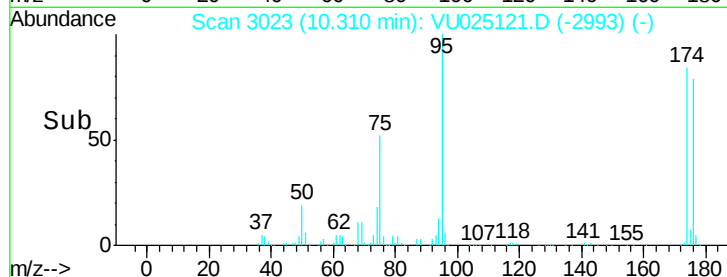
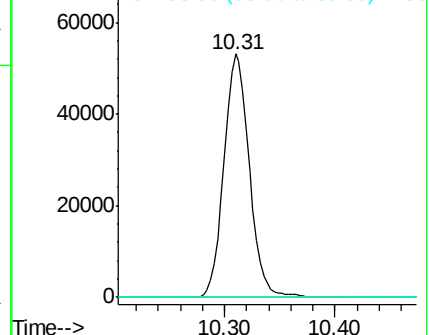
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025121.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU025121.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU025121.D (-2993) (-)



#90

Hexachloroethane

Concen: 0.248 ug/l

RT: 12.35 min Scan# 3659

Delta R.T. 0.21 min

Lab File: VU025121.D

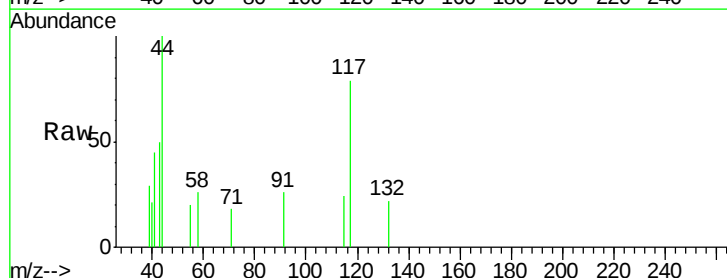
Acq: 01 Jul 2018 05:44

Tgt Ion: 117 Resp: 516

Ion Ratio Lower Upper

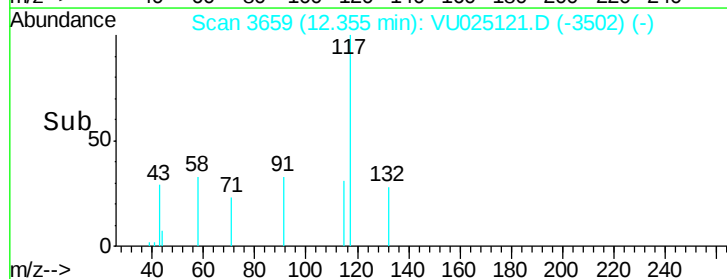
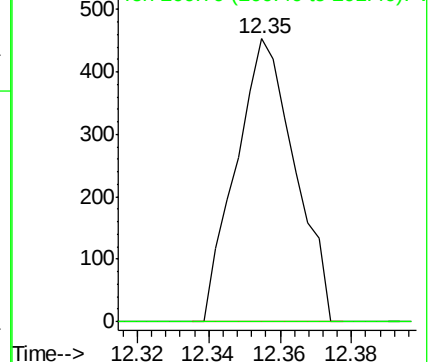
117 100

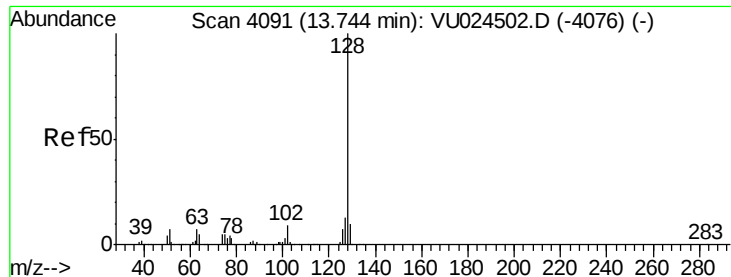
201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): VU025121.D (-3502) (-)

Ion 200.70 (200.40 to 201.40): VU025121.D (-3502) (-)





#95
Naphthalene
Concen: 0.737 ug/l
RT: 13.76 min Scan# 4095
Delta R.T. 0.01 min
Lab File: VU025121.D
Acq: 01 Jul 2018 05:44

Instrument :
MSVOA_U
ClientSampleId :
GPW-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

