

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025098.D
 Acq On : 30 Jun 2018 19:13
 Operator : MD/SY
 Sample : J3759-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0474-180626

Quant Time: Jul 02 07:17:41 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	207511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	150339	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	158605	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	4.89	113	122011	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	7.57	98	448659	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	10.31	95	168488	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

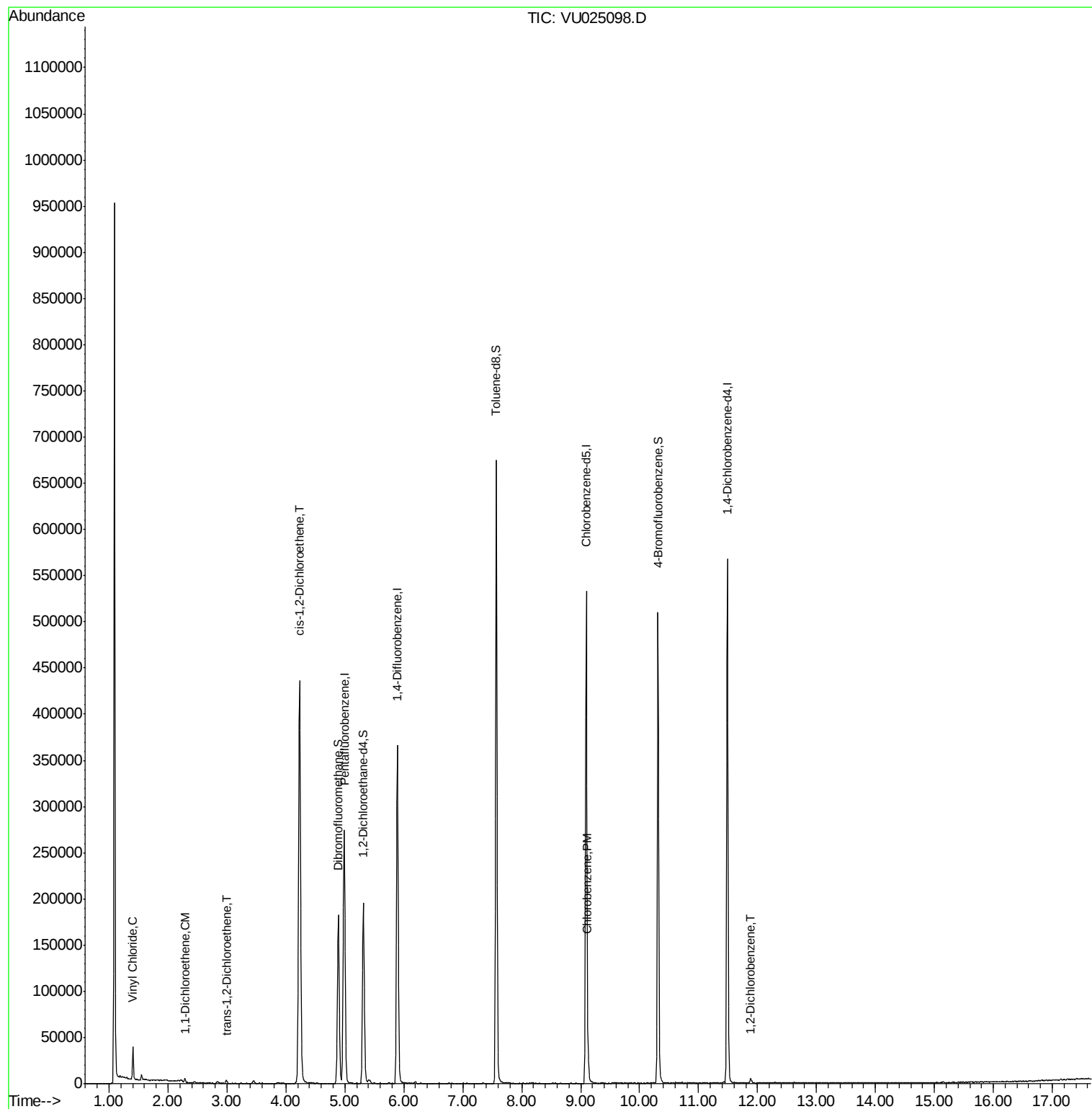
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	21739	7.94	ug/l	95
12) 1,1-Dichloroethene	2.29	96	1656	0.70	ug/l	85
21) trans-1,2-Dichloroethene	2.99	96	1338	0.51	ug/l	81
27) cis-1,2-Dichloroethene	4.23	96	245583	82.08	ug/l	89
65) Chlorobenzene	9.12	112	13725	1.86	ug/l	96
91) 1,2-Dichlorobenzene	11.89	146	2524	0.47	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

Instrument :

MSVOA_U

ClientSampleId :

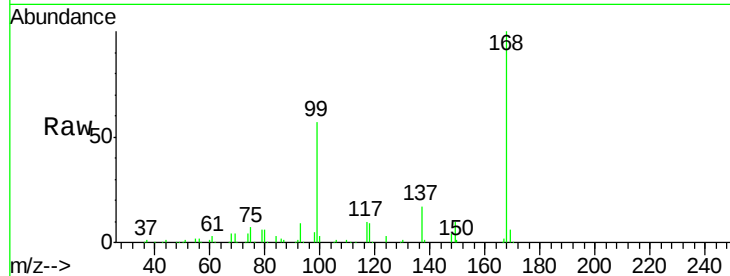
DUP-0474-180626

Tot Ion:168 Resp: 207511

Ion Ratio Lower Upper

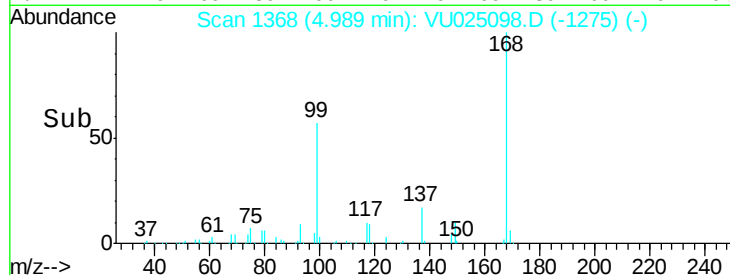
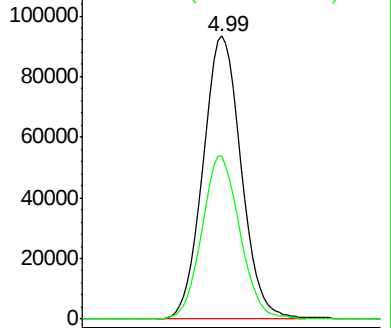
168 100

99 57.4 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: 7.94 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025098.D

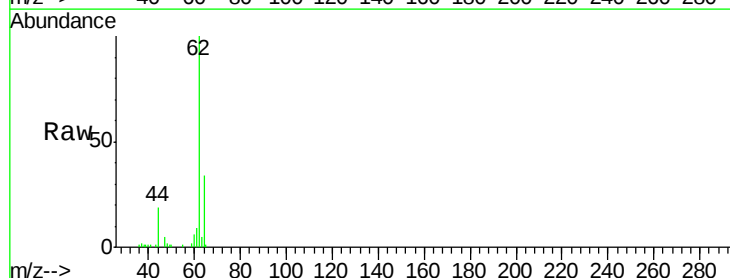
Acq: 30 Jun 2018 19:13

Tgt Ion: 62 Resp: 21739

Ion Ratio Lower Upper

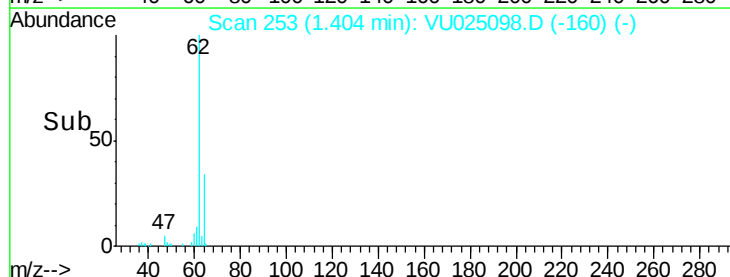
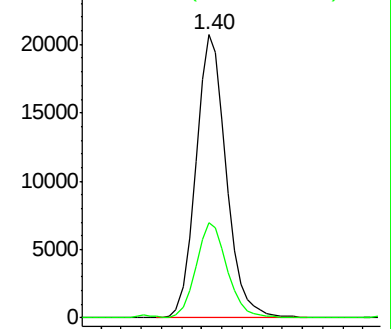
62 100

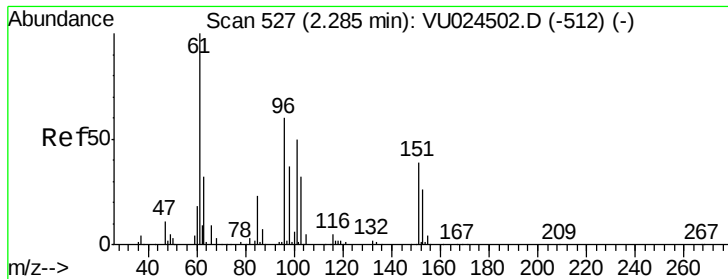
64 33.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

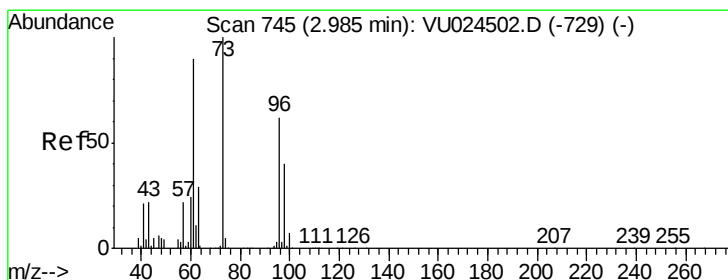
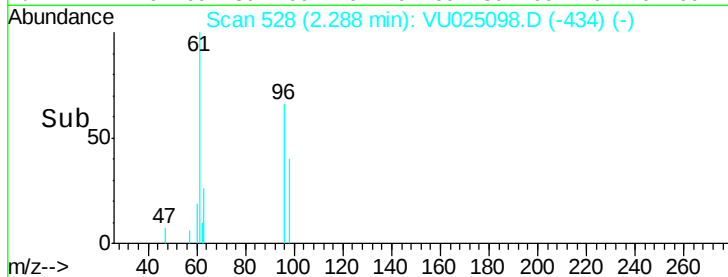
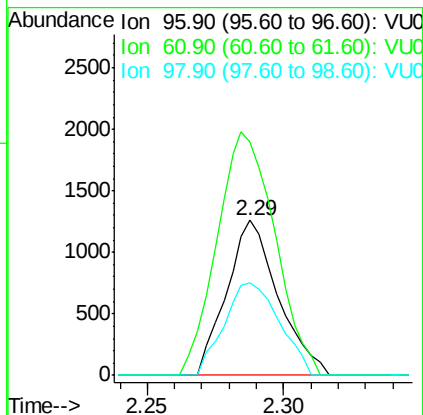
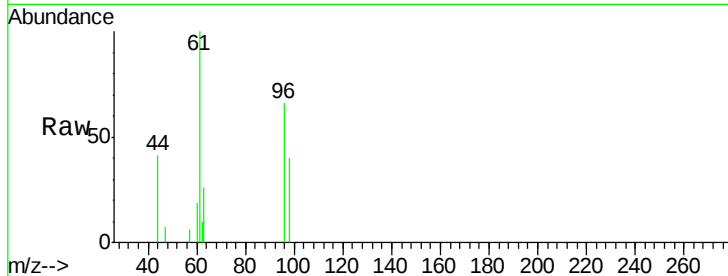




#12
 1,1-Dichloroethene
 Concen: 0.70 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025098.D
 Acq: 30 Jun 2018 19:13

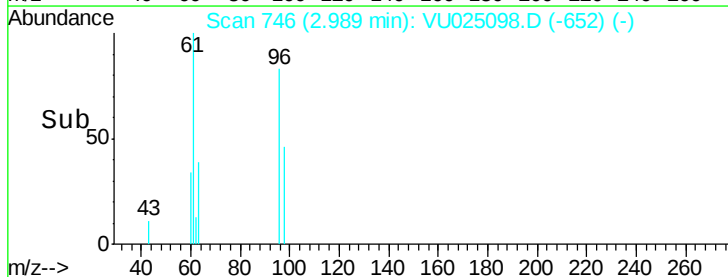
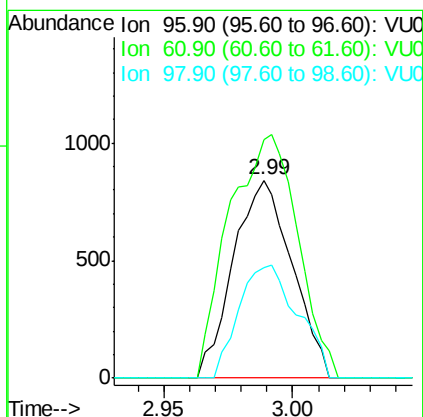
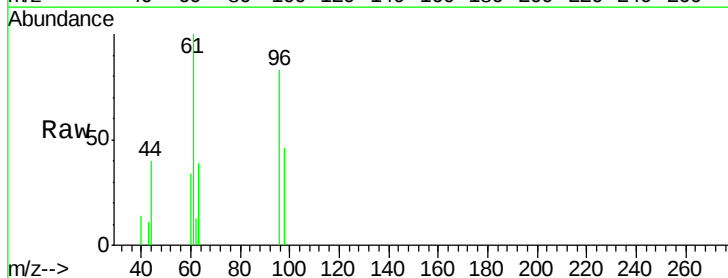
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0474-180626

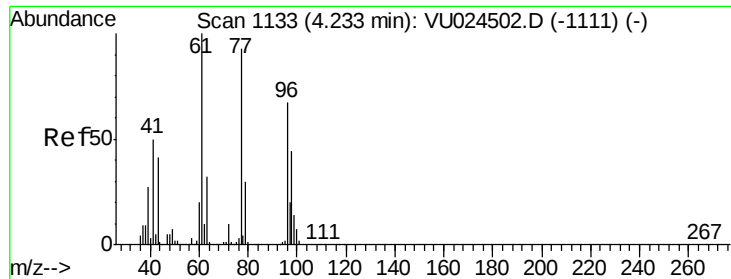
Tot Ion: 96 Resp: 1656
 Ion Ratio Lower Upper
 96 100
 61 150.7 141.7 212.5
 98 59.8 51.6 77.4



#21
 trans-1,2-Dichloroethene
 Concen: 0.51 ug/l
 RT: 2.99 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VU025098.D
 Acq: 30 Jun 2018 19:13

Tgt Ion: 96 Resp: 1338
 Ion Ratio Lower Upper
 96 100
 61 120.4 119.4 179.0
 98 55.9 51.1 76.7

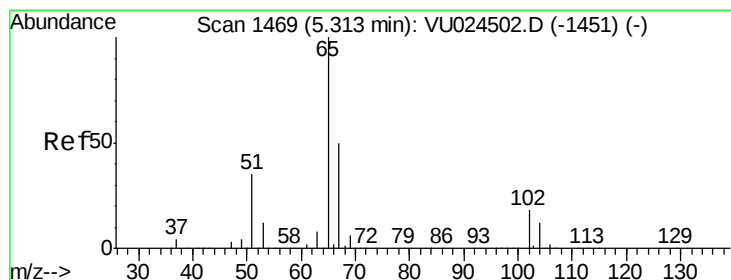
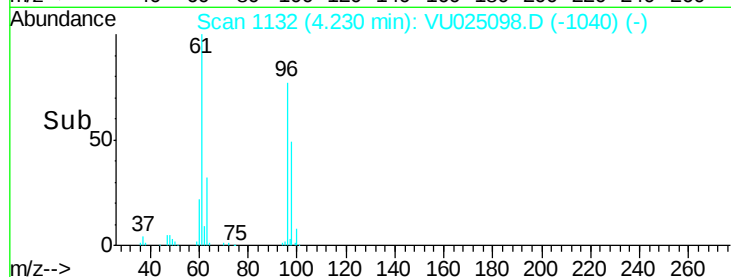
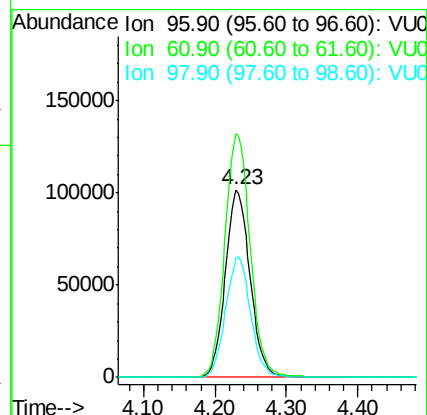
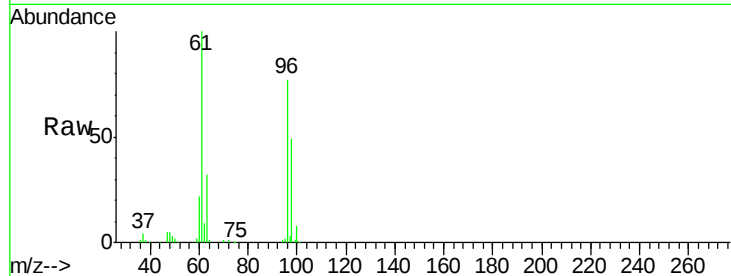




#27
 cis-1,2-Dichloroethene
 Concen: 82.08 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025098.D
 Acq: 30 Jun 2018 19:13

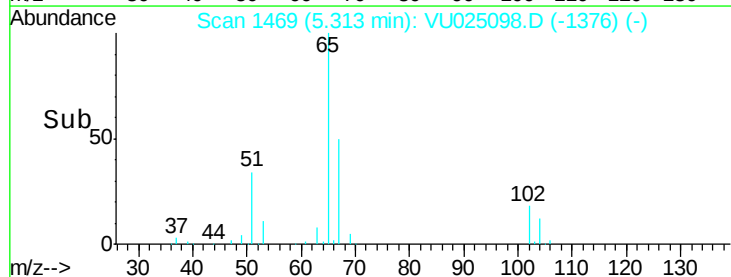
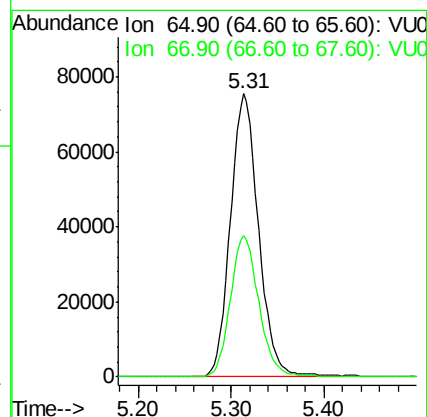
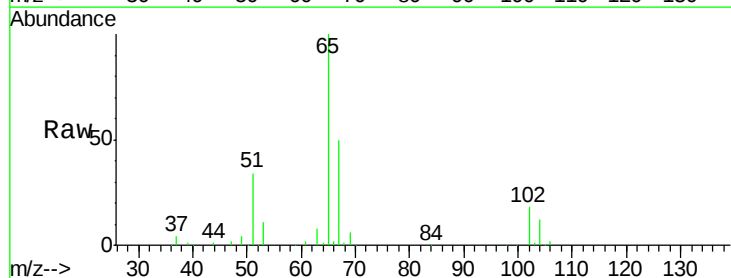
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0474-180626

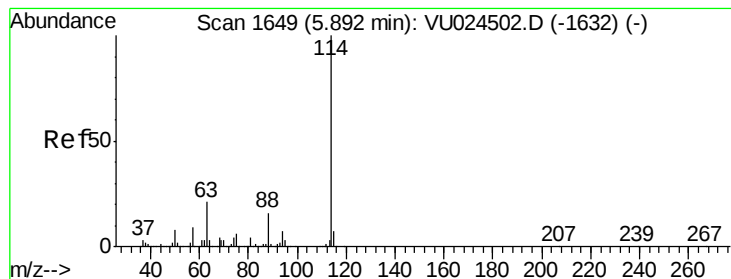
Tot Ion	96	Resp	245583
Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	306.6
98	64.7	0.0	128.8



#33
 1,2-Dichloroethane-d4
 Concen: 46.82 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025098.D
 Acq: 30 Jun 2018 19:13

Tgt Ion	65	Resp	158605
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

Instrument :

MSVOA_U

ClientSampleId :

DUP-0474-180626

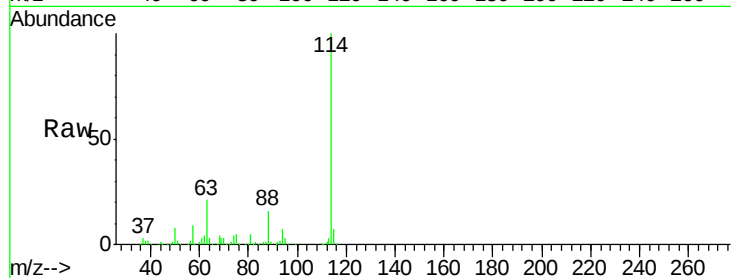
Tot Ion:114 Resp: 308411

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

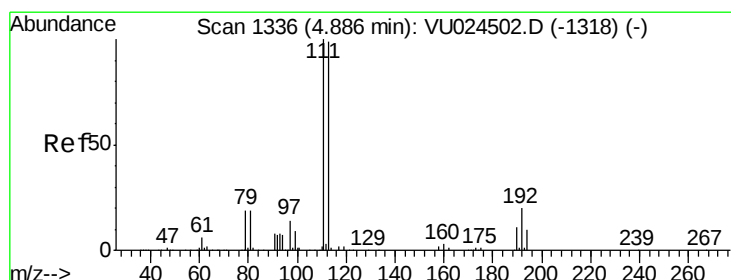
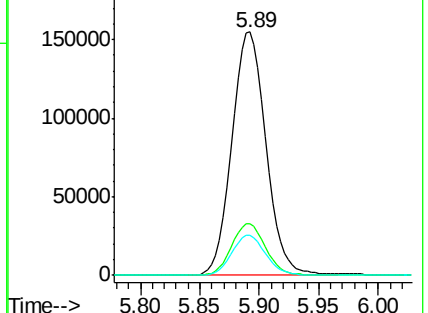
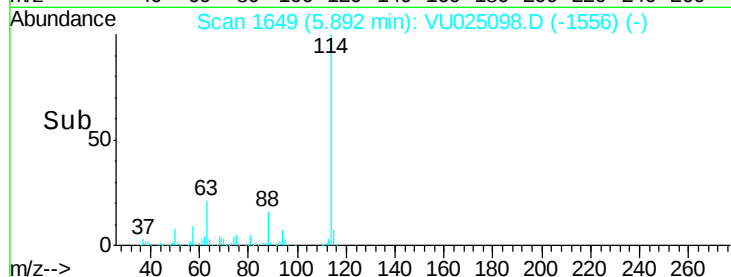
88 16.3 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 47.67 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

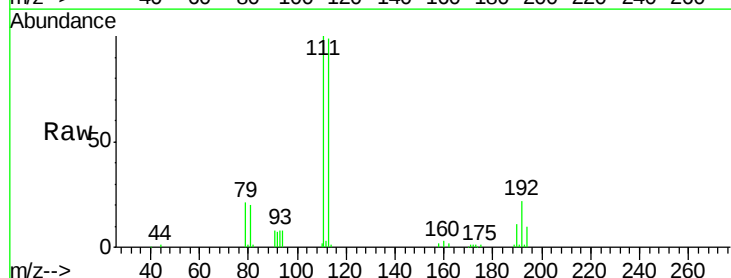
Tgt Ion:113 Resp: 122011

Ion Ratio Lower Upper

113 100

111 101.2 82.2 123.4

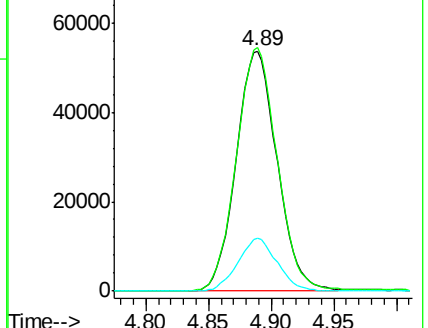
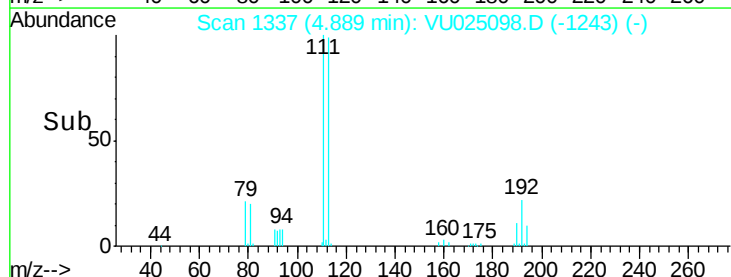
192 21.2 16.2 24.4



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





#50

Toluene-d8

Concen: 48.06 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

Instrument :

MSVOA_U

ClientSampleId :

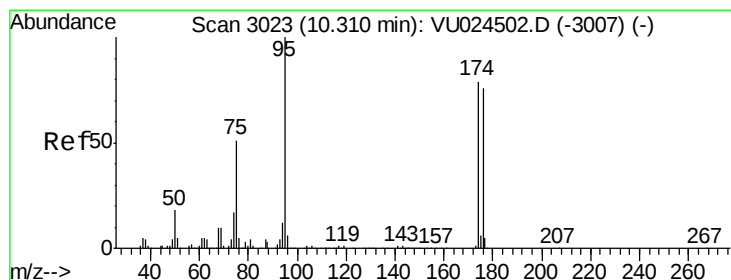
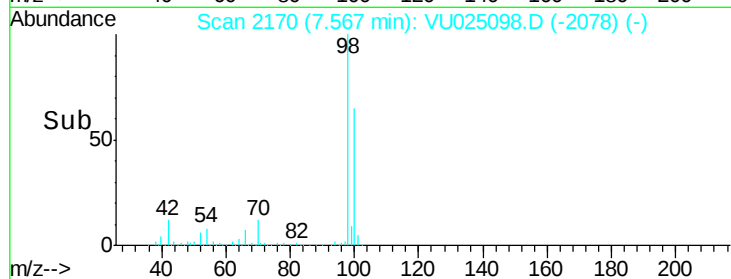
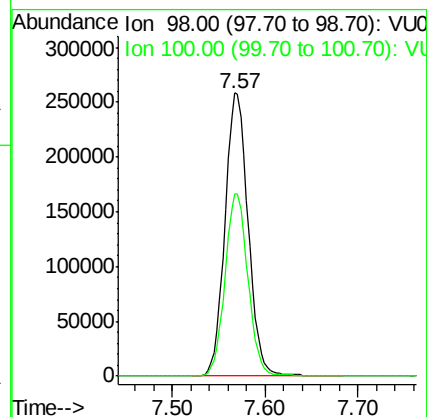
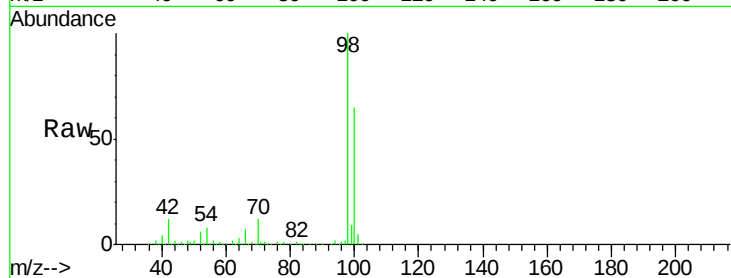
DUP-0474-180626

Tot Ion: 98 Resp: 448659

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 45.45 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

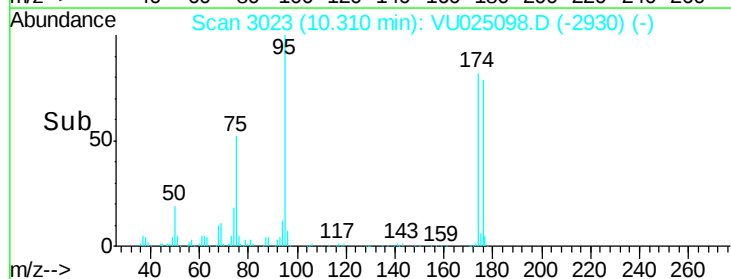
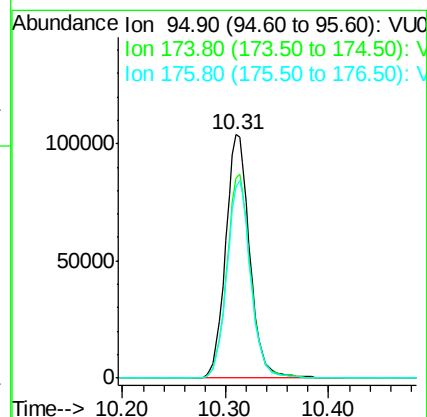
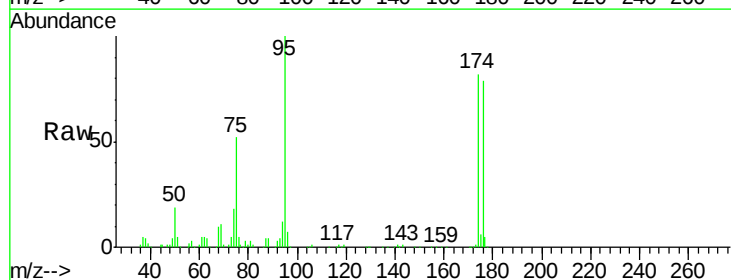
Tgt Ion: 95 Resp: 168488

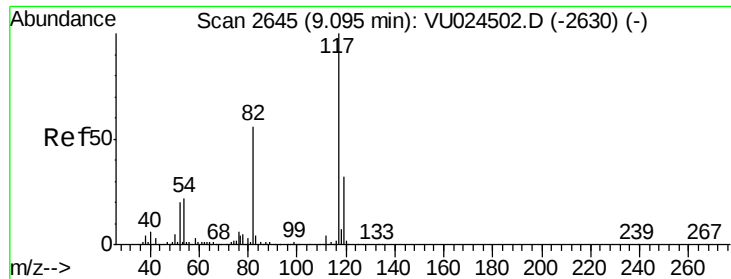
Ion Ratio Lower Upper

95 100

174 82.8 0.0 165.8

176 79.7 0.0 159.4

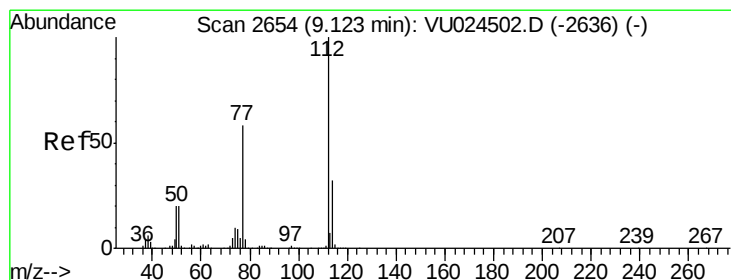
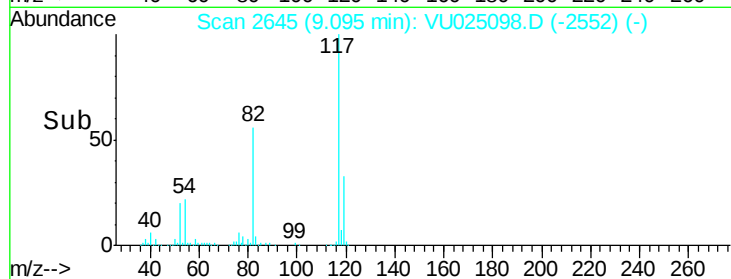
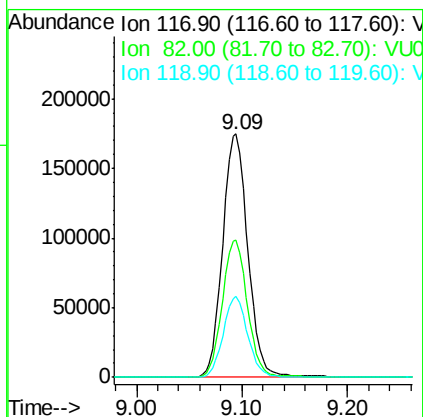
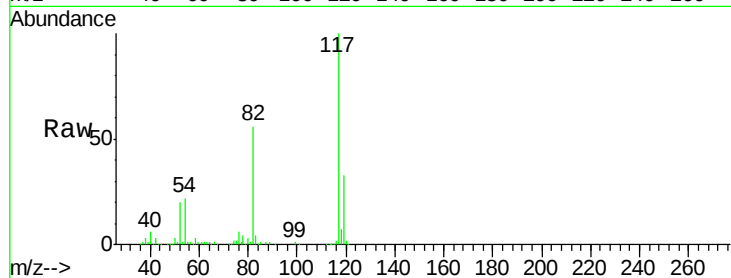




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025098.D
Acq: 30 Jun 2018 19:13

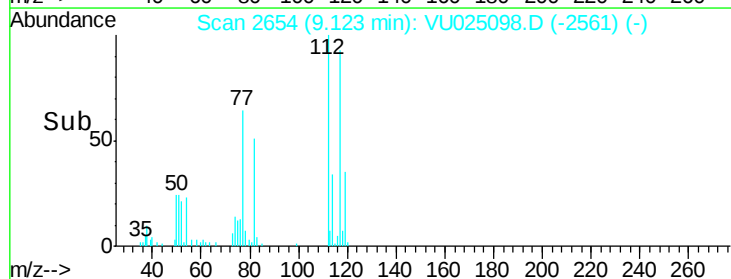
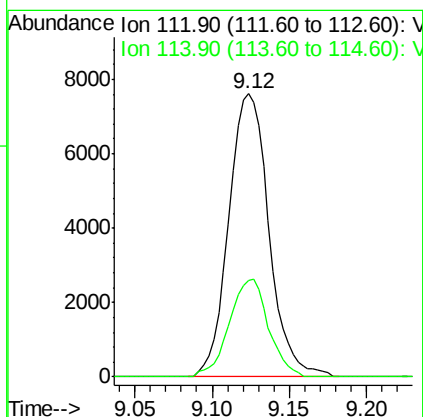
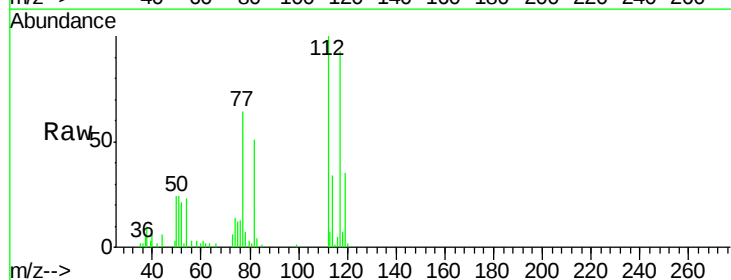
Instrument :
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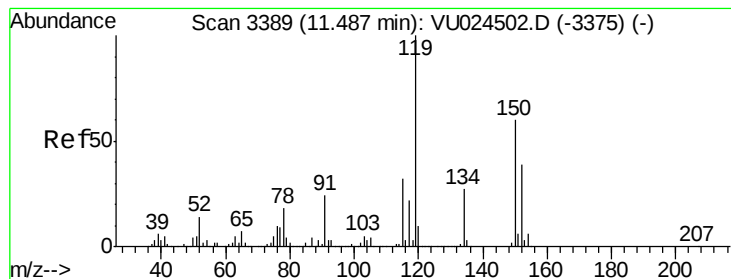
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	33.1	25.4	38.2



#65
Chlorobenzene
Concen: 1.86 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025098.D
Acq: 30 Jun 2018 19:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.2	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

Instrument :

MSVOA_U

ClientSampleId :

DUP-0474-180626

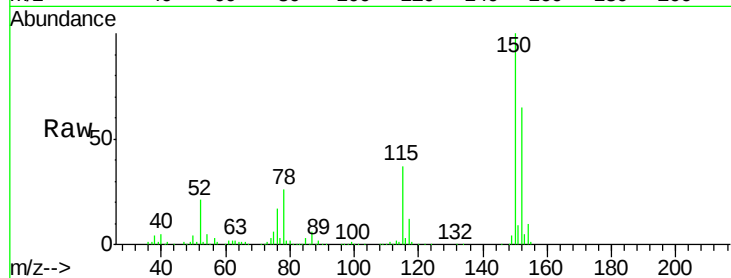
Tot Ion:152 Resp: 150339

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

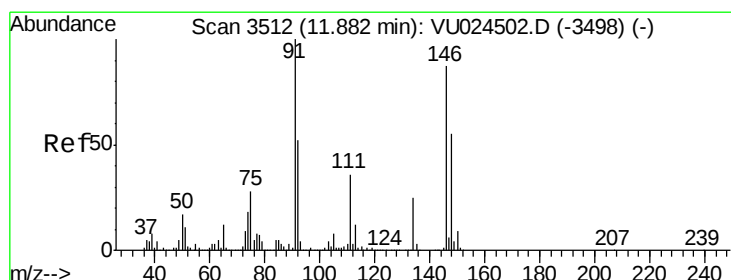
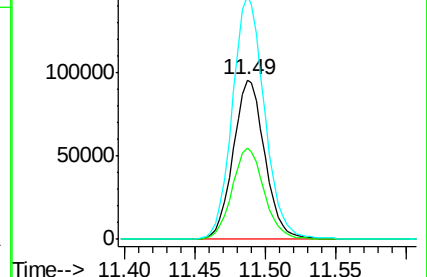
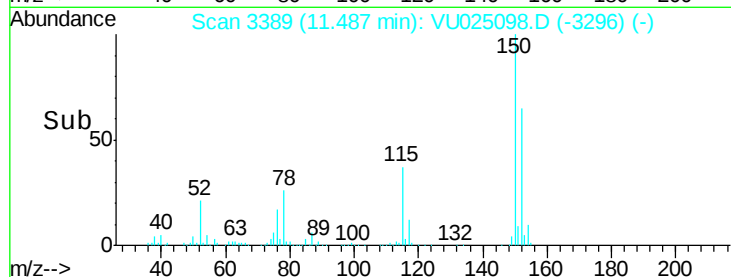
150 155.1 0.0 354.0



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



#91

1,2-Dichlorobenzene

Concen: 0.47 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU025098.D

Acq: 30 Jun 2018 19:13

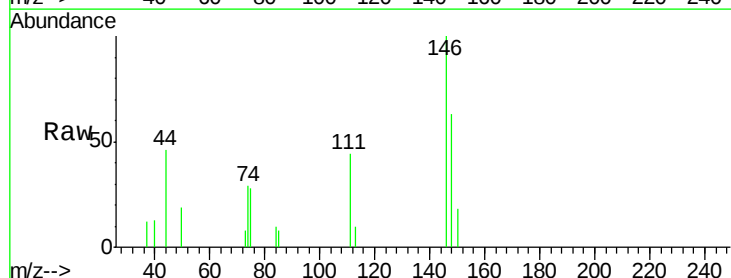
Tgt Ion:146 Resp: 2524

Ion Ratio Lower Upper

146 100

111 40.1 20.5 61.6

148 58.6 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

