

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024706.D
 Acq On : 18 Jun 2018 21:04
 Operator : MD/SY
 Sample : J3477-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S36-EB-2018-1

Quant Time: Jun 19 07:29:36 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

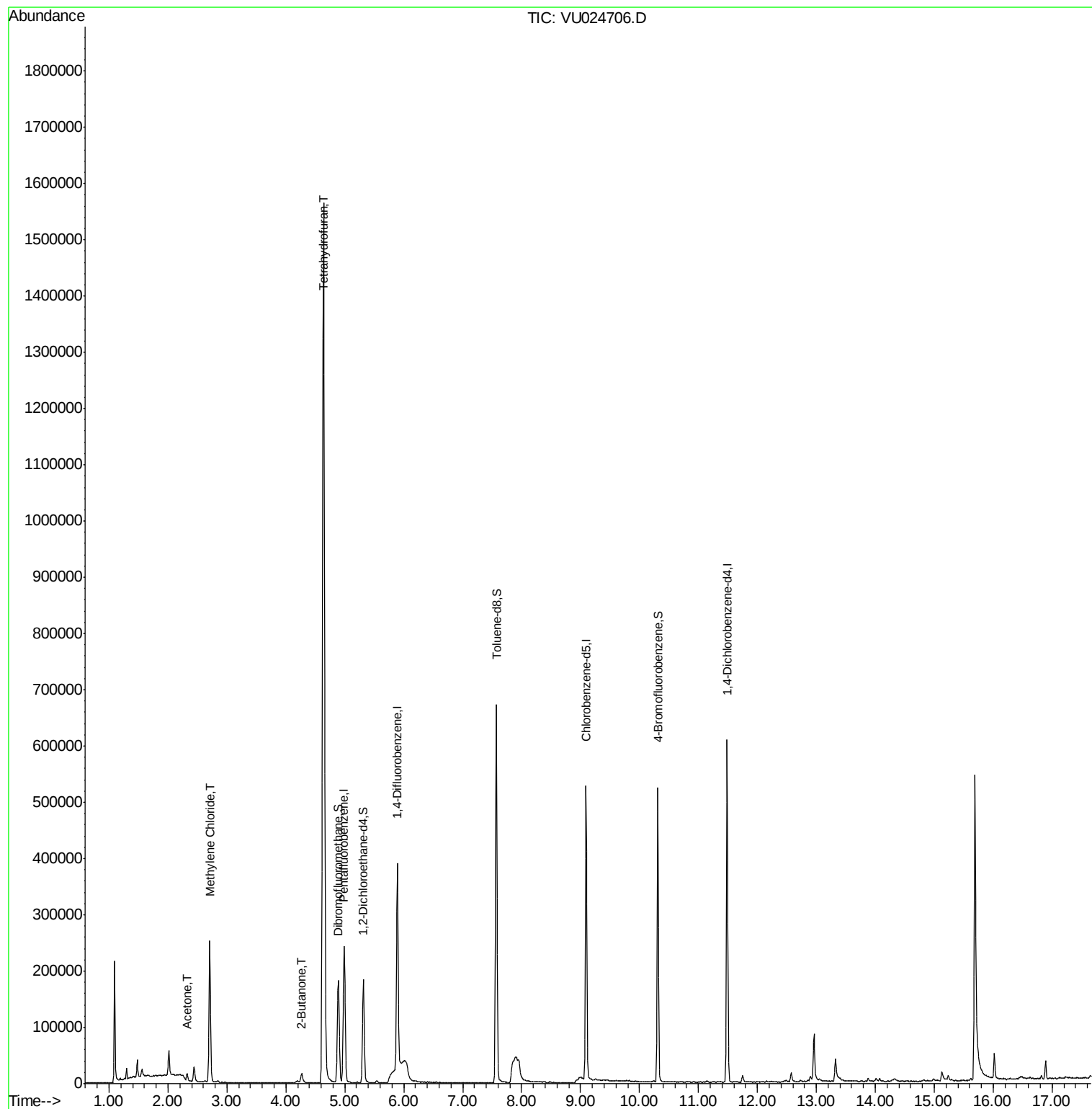
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	193070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	307218	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	140262	44.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.00%	
35) Dibromofluoromethane	4.89	113	120240	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	
50) Toluene-d8	7.57	98	449096	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	161446	43.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.44%	
Target Compounds						
16) Acetone	2.32	43	13152	7.77	ug/l	Qvalue # 88
20) Methylene Chloride	2.71	84	112225	42.23	ug/l	97
25) 2-Butanone	4.27	43	27344	12.02	ug/l	94
29) Tetrahydrofuran	4.64	42	1168404	829.42	ug/l	98

(#) = 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# 1369

Delta R.T. 0.00 min

Lab File: VU024706.D

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ClientSampleId :

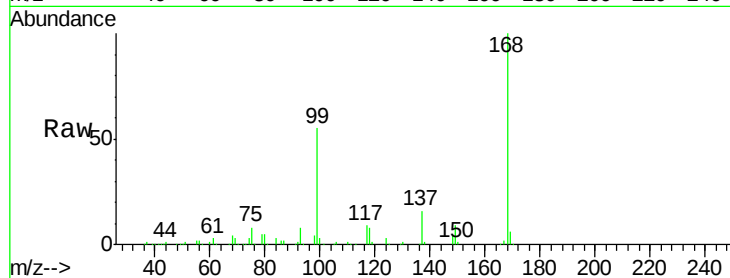
S36-EB-2018-1

Tot Ion:168 Resp: 193070

Ion Ratio Lower Upper

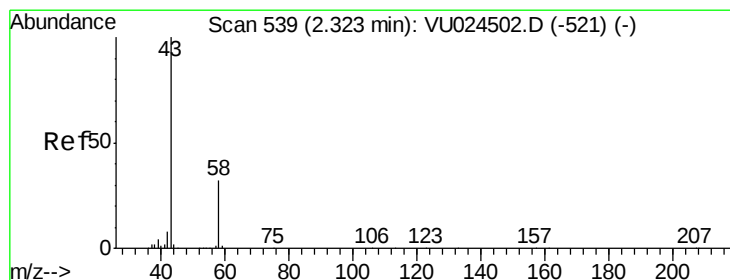
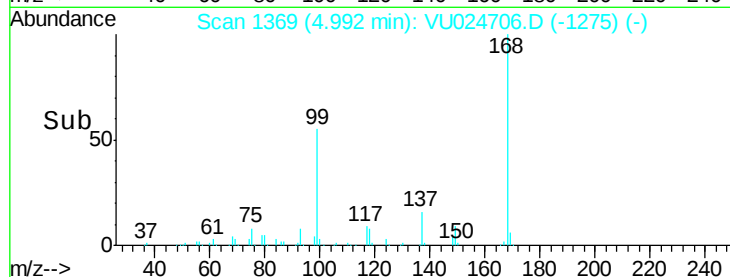
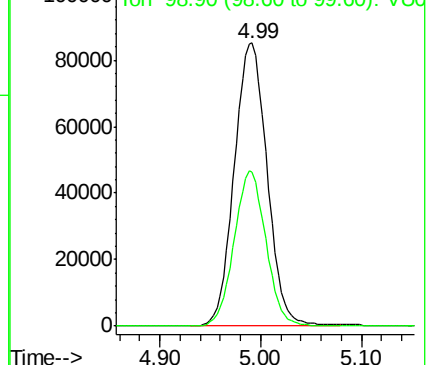
168 100

99 54.6 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#16

Acetone

Concen: 7.77 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024706.D

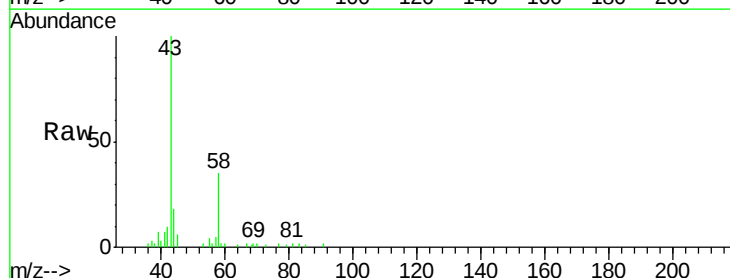
Acq: 18 Jun 2018 21:04

Tgt Ion: 43 Resp: 13152

Ion Ratio Lower Upper

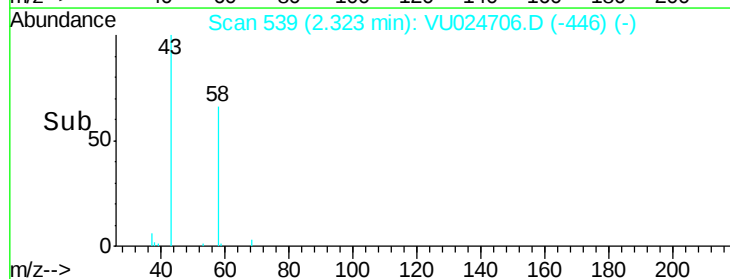
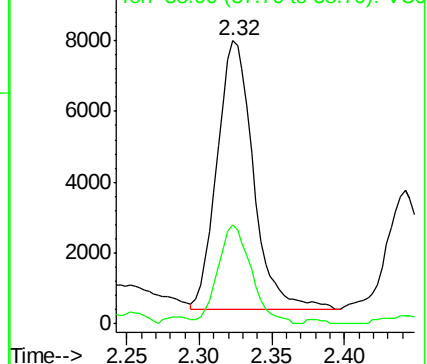
43 100

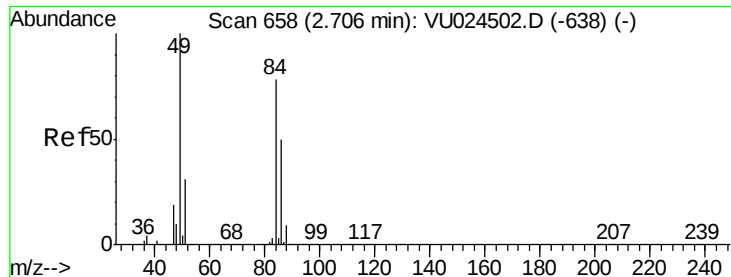
58 36.9 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

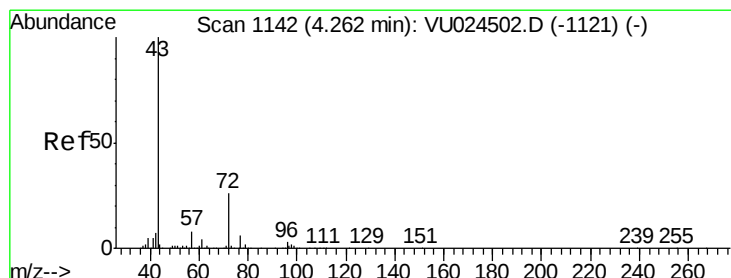
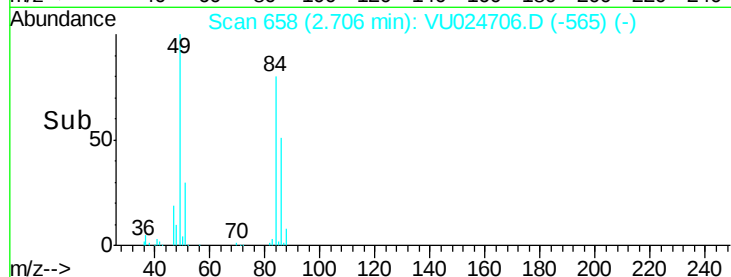
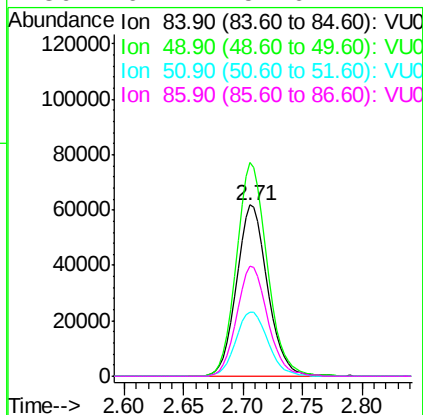
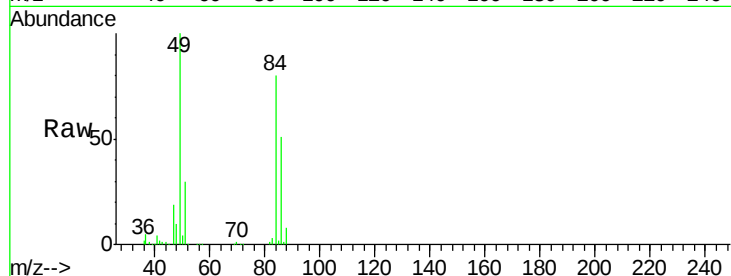




#20
Methvlene Chloride
Concen: 42.23 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024706.D
Acq: 18 Jun 2018 21:04

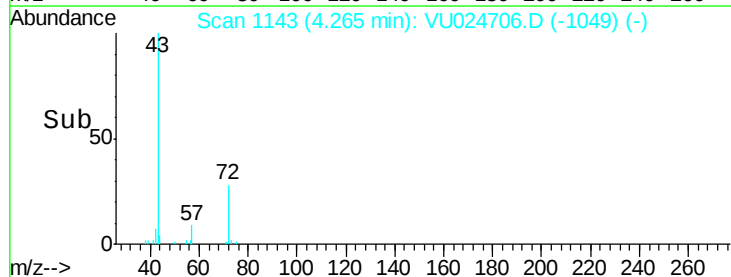
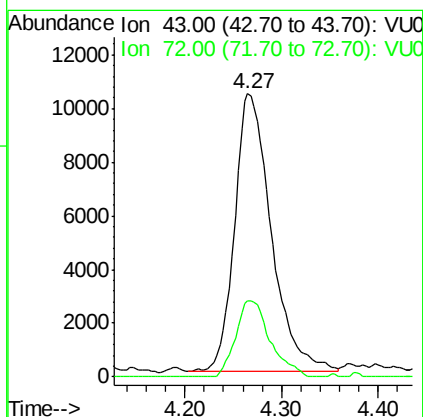
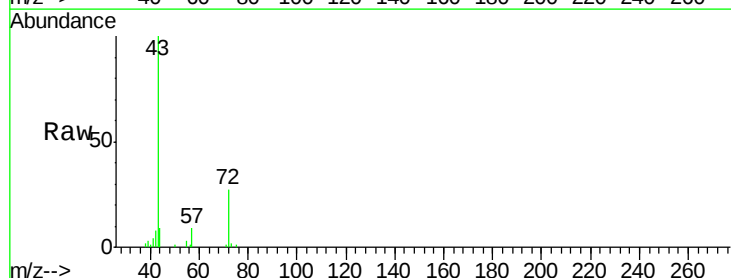
Instrument :
MSVOA_U
ClientSampleId :
S36-EB-2018-1

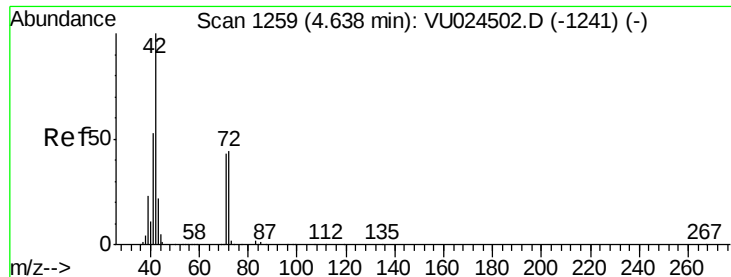
Tot Ion: 84 Resp: 112225
Ion Ratio Lower Upper
84 100
49 124.7 103.8 155.8
51 37.6 32.0 48.0
86 64.1 51.6 77.4



#25
2-Butanone
Concen: 12.02 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024706.D
Acq: 18 Jun 2018 21:04

Tgt Ion: 43 Resp: 27344
Ion Ratio Lower Upper
43 100
72 27.5 19.6 29.4





#29

Tetrahydrofuran

Concen: 829.42 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VU024706.D

Acq: 18 Jun 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

S36-EB-2018-1

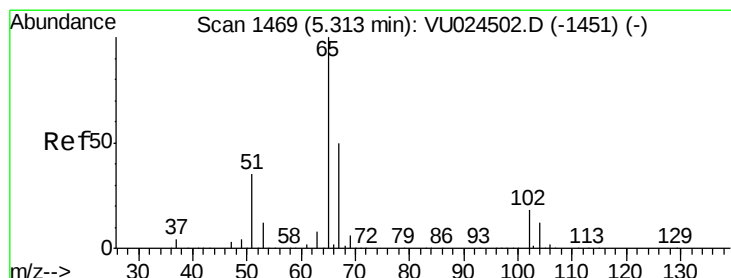
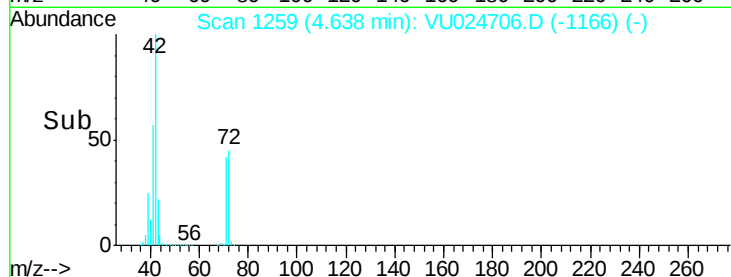
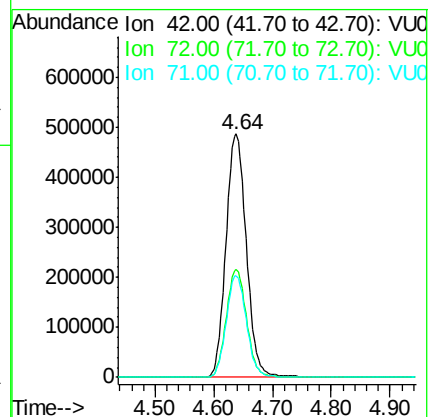
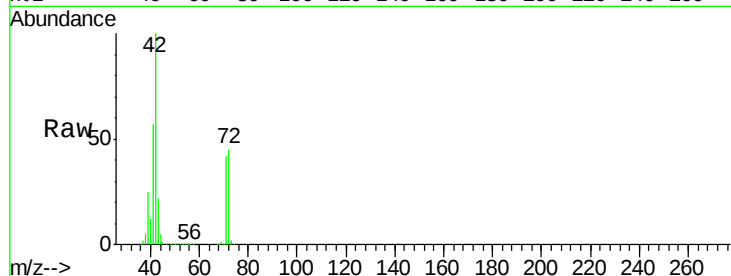
Tot Ion: 42 Resp: 1168404

Ion Ratio Lower Upper

42 100

72 43.9 34.5 51.7

71 41.6 32.2 48.4



#33

1,2-Dichloroethane-d4

Concen: 44.50 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024706.D

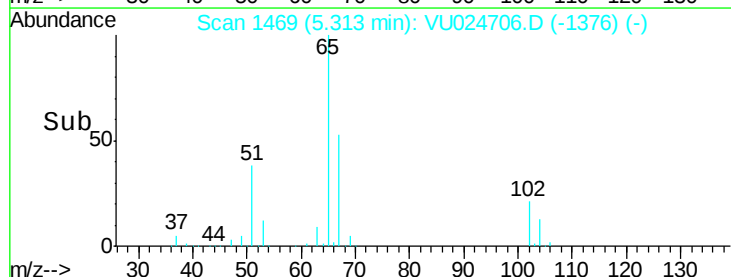
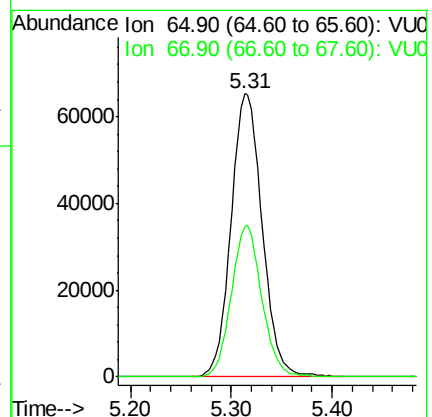
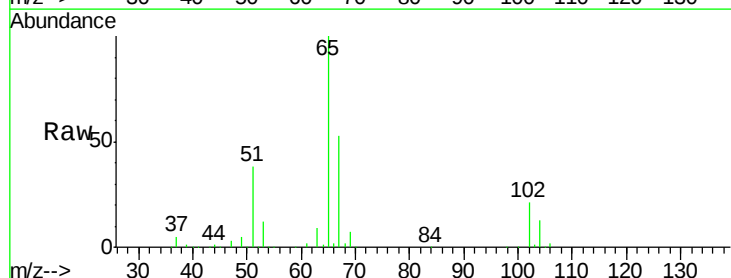
Acq: 18 Jun 2018 21:04

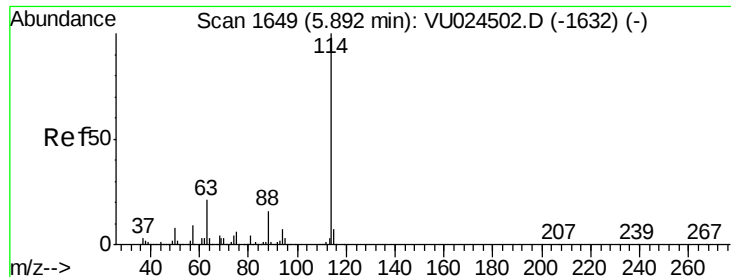
Tgt Ion: 65 Resp: 140262

Ion Ratio Lower Upper

65 100

67 52.5 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: VU024706.D

Acq: 18 Jun 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

S36-EB-2018-1

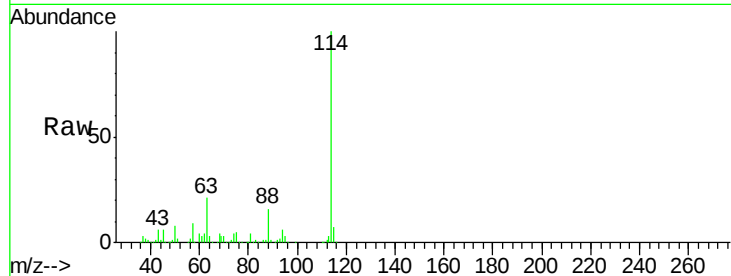
Tot Ion:114 Resp: 307218

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.4

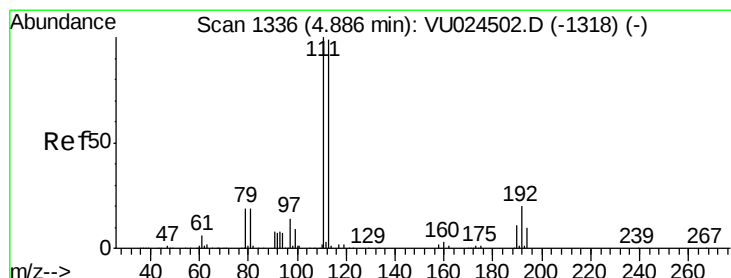
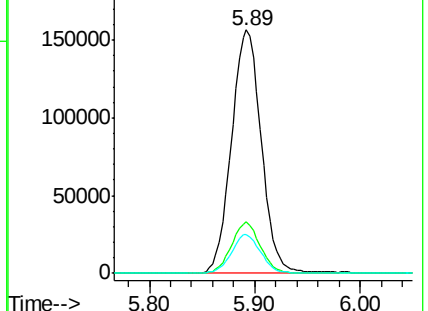
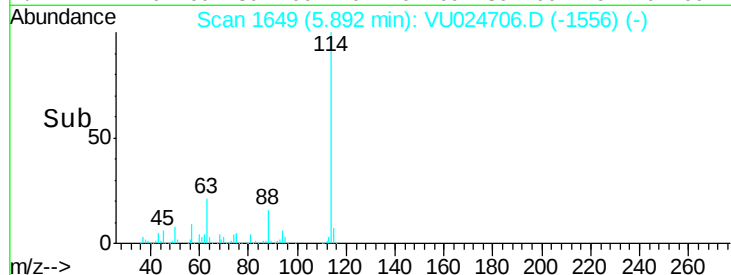
88 15.9 0.0 31.0



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: 47.16 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024706.D

Acq: 18 Jun 2018 21:04

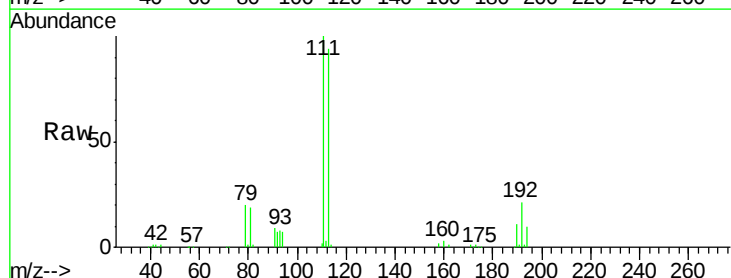
Tgt Ion:113 Resp: 120240

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

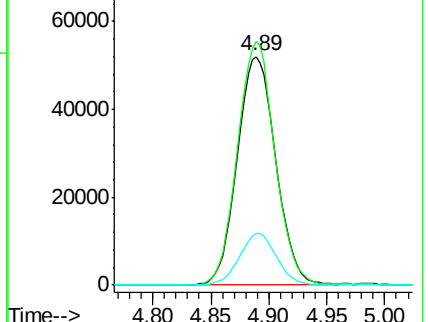
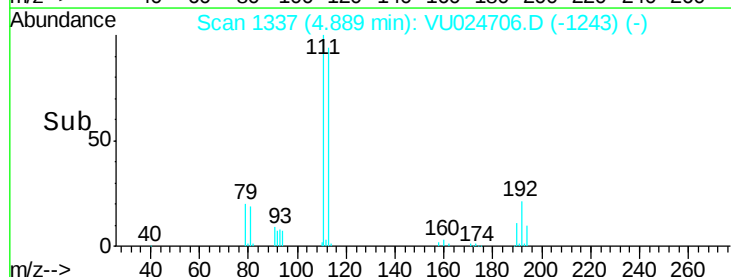
192 21.8 16.2 24.4



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: 48.29 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024706.D

Acq: 18 Jun 2018 21:04

Instrument :

MSVOA_U

ClientSampleId :

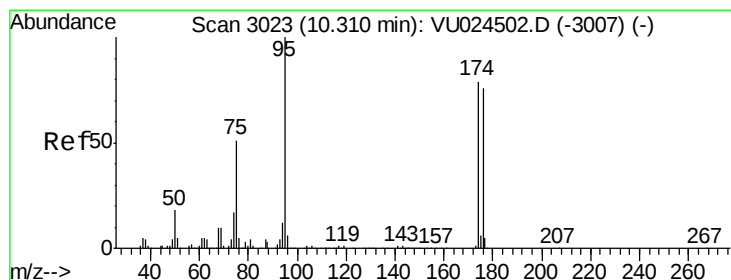
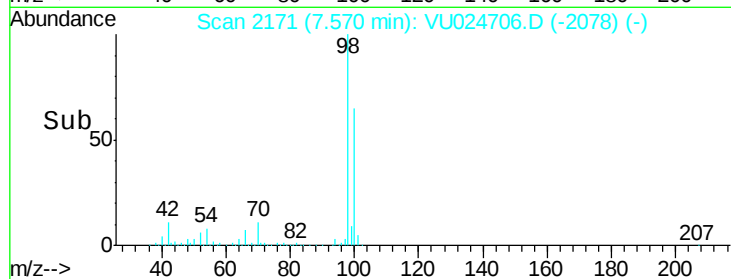
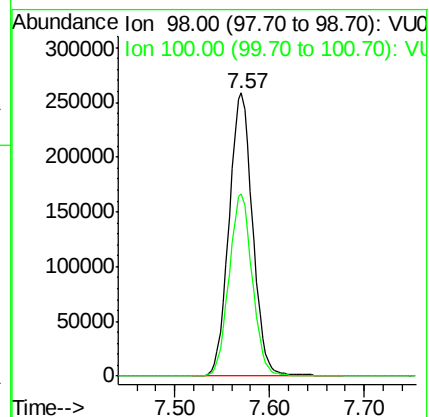
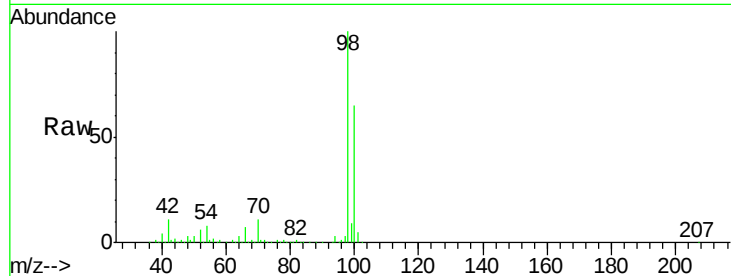
S36-EB-2018-1

Tot Ion: 98 Resp: 449096

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 43.72 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024706.D

Acq: 18 Jun 2018 21:04

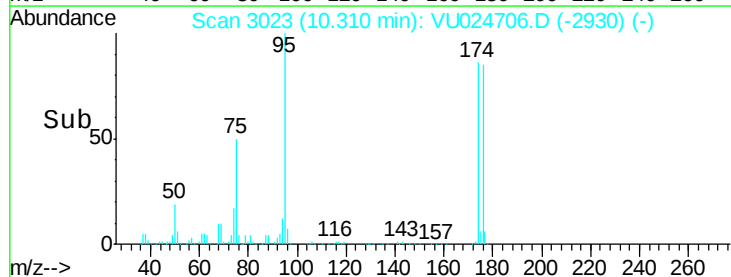
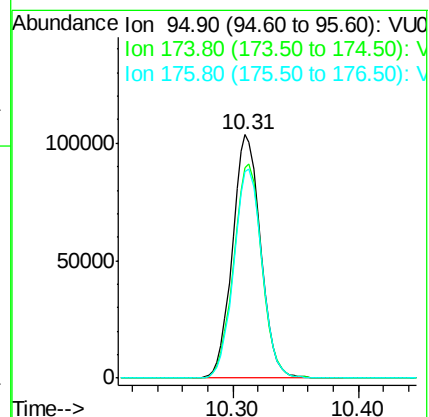
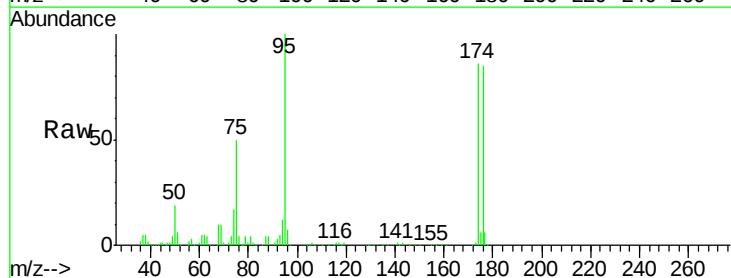
Tgt Ion: 95 Resp: 161446

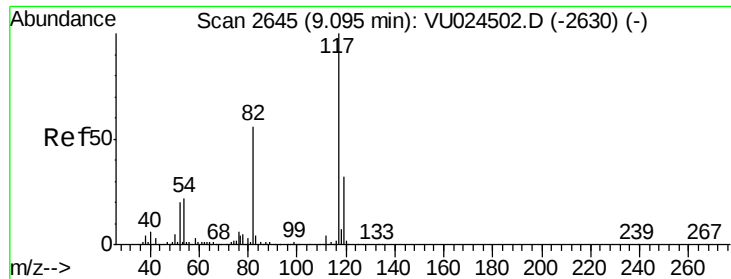
Ion Ratio Lower Upper

95 100

174 87.8 0.0 165.8

176 86.2 0.0 159.4

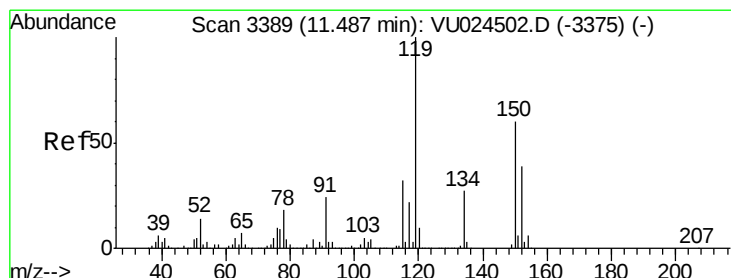
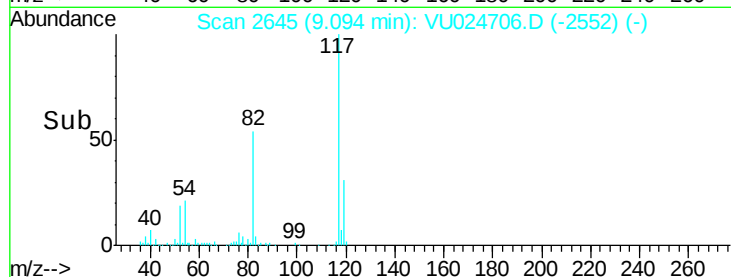
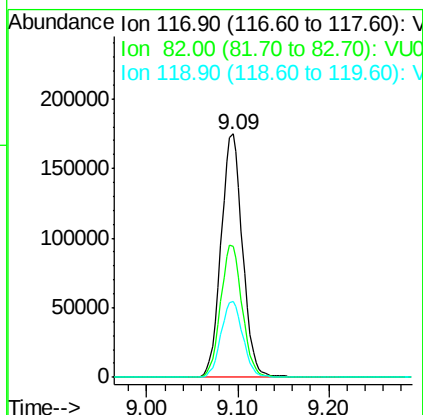
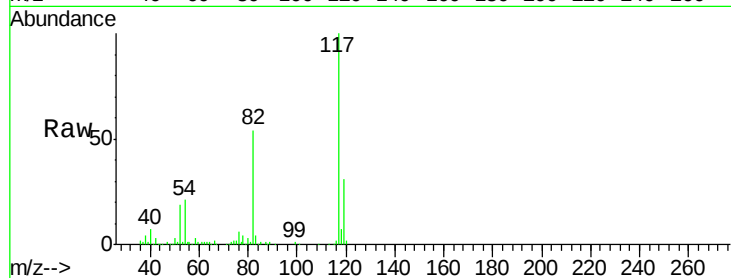




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024706.D
Acq: 18 Jun 2018 21:04

Instrument :
MSVOA_U
ClientSampleId :
S36-EB-2018-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.3	66.5
119	31.4	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024706.D
Acq: 18 Jun 2018 21:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	43.0	129.0
150	157.3	0.0	354.0

