

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024805.D
 Acq On : 21 Jun 2018 12:50
 Operator : MD/SY
 Sample : J3529-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04

Quant Time: Jun 21 16:04:02 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	195325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300205	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155577	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	140613	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	
35) Dibromofluoromethane	4.89	113	117227	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
50) Toluene-d8	7.57	98	434230	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	10.31	95	162755	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

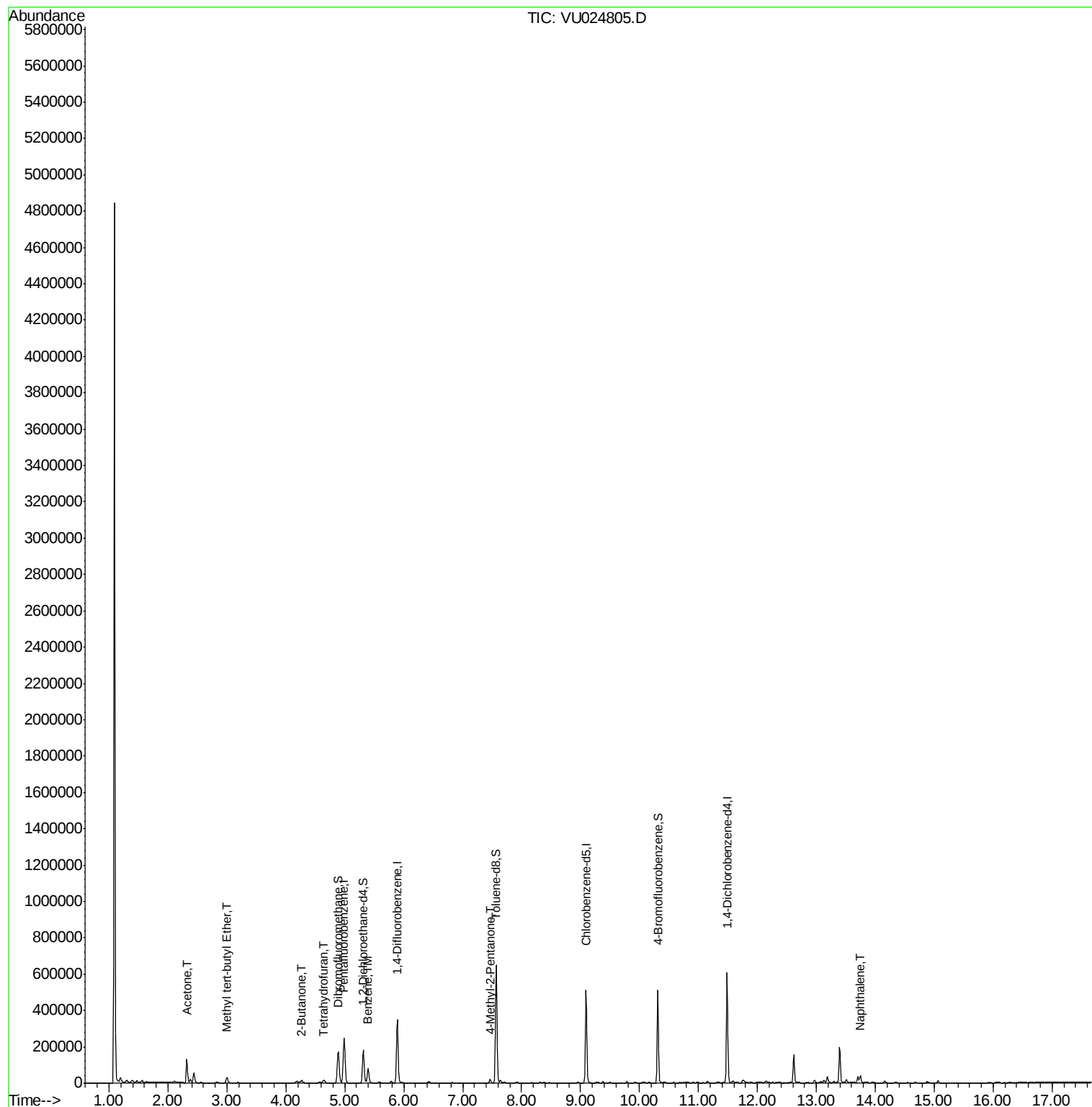
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.32	43	136671	79.77	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	33370	3.99	ug/l	100
25) 2-Butanone	4.27	43	21550	9.36	ug/l #	87
29) Tetrahydrofuran	4.64	42	12486	8.76	ug/l	98
40) Benzene	5.39	78	76511	7.61	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	14059	3.37	ug/l	98
95) Naphthalene	13.75	128	31452	3.39	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# 1368

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

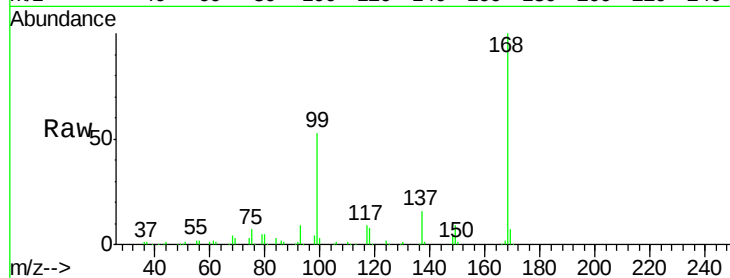
Instrument :
MSVOA_U
ClientSampled :
TPTW-04

Tot Ion:168 Resp: 195325

Ion Ratio Lower Upper

168 100

99 53.3 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

80000

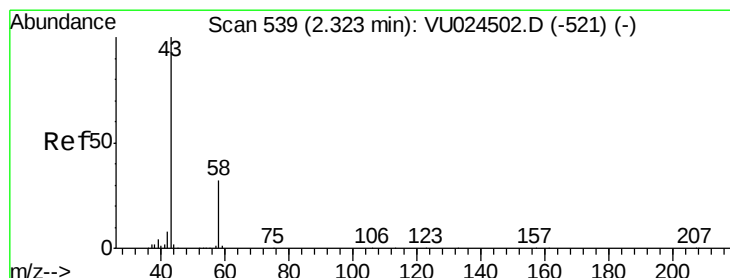
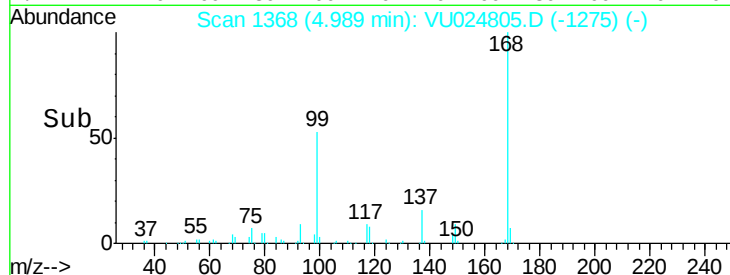
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 79.77 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024805.D

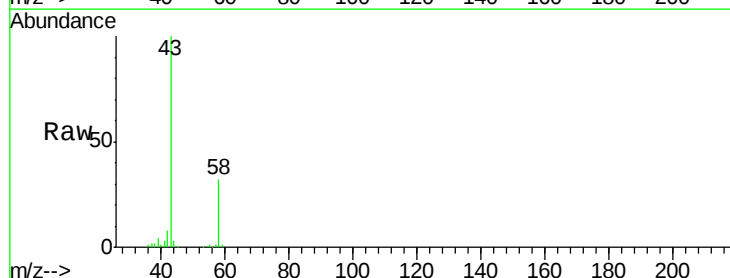
Acq: 21 Jun 2018 12:50

Tgt Ion: 43 Resp: 136671

Ion Ratio Lower Upper

43 100

58 31.7 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

80000

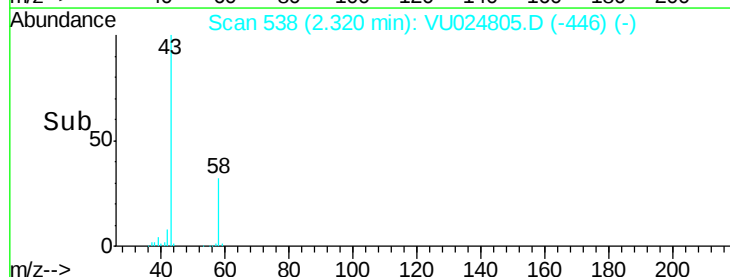
60000

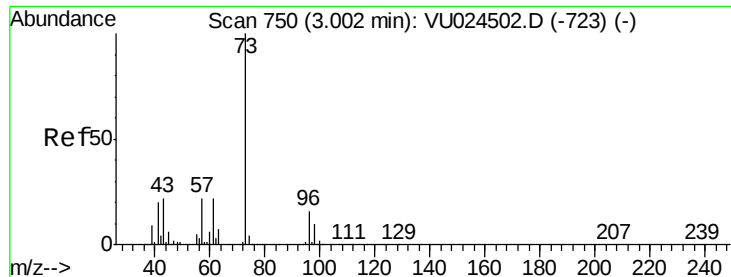
40000

20000

0

Time-->



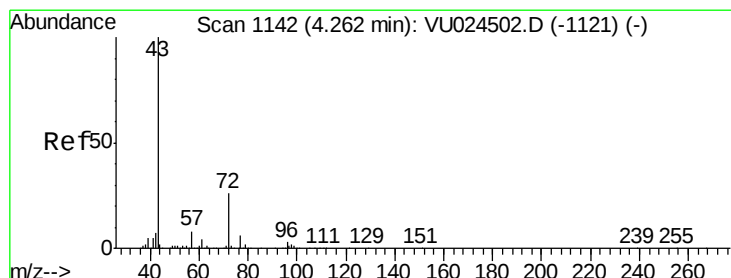
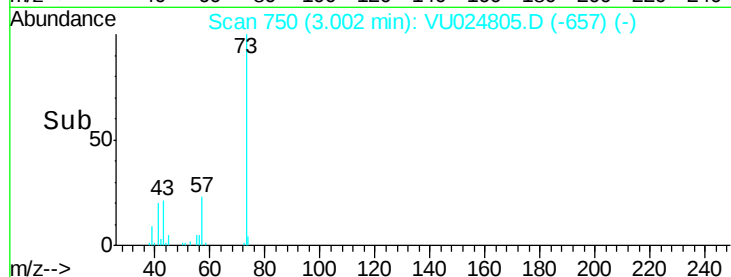
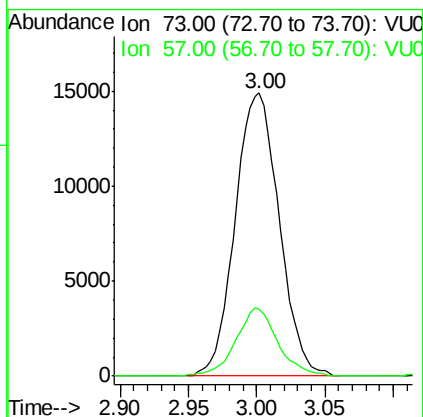
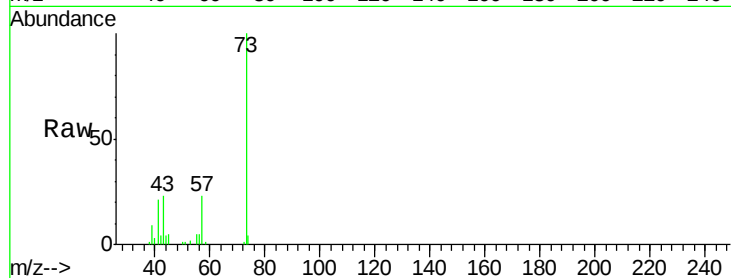


#19

Methvl tert-butvl Ether
 Concen: 3.99 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU024805.D
 Acq: 21 Jun 2018 12:50

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04

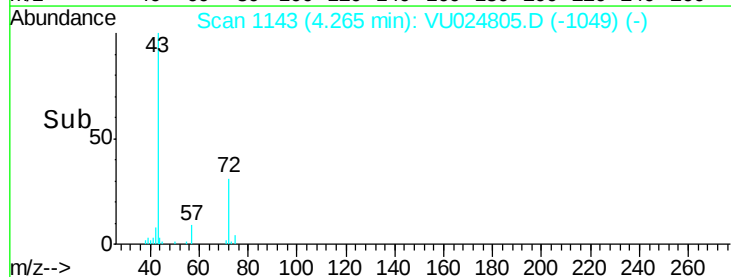
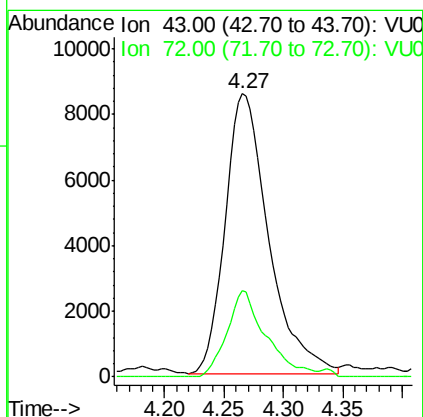
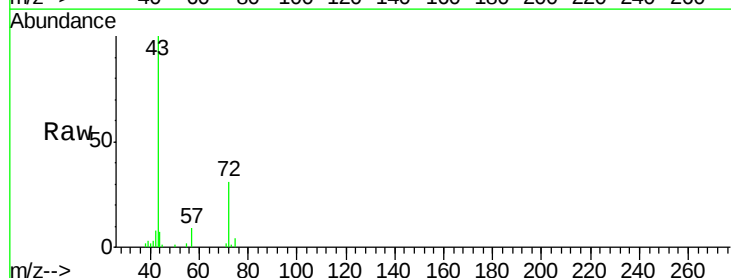
Tot Ion: 73 Resp: 33370
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.8 28.2

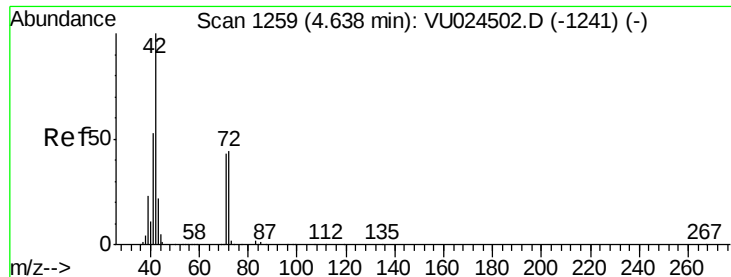


#25

2-Butanone
 Concen: 9.36 ug/l
 RT: 4.27 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU024805.D
 Acq: 21 Jun 2018 12:50

Tgt Ion: 43 Resp: 21550
 Ion Ratio Lower Upper
 43 100
 72 31.0 19.6 29.4#





#29

Tetrahydrofuran

Concen: 8.76 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04

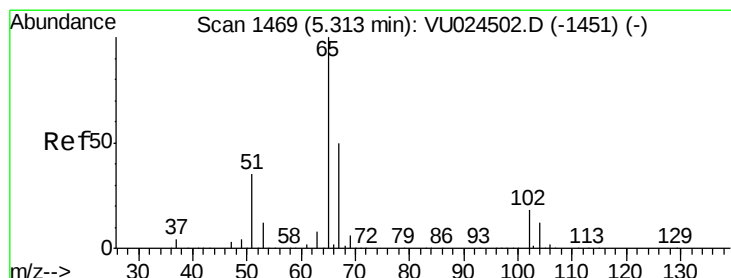
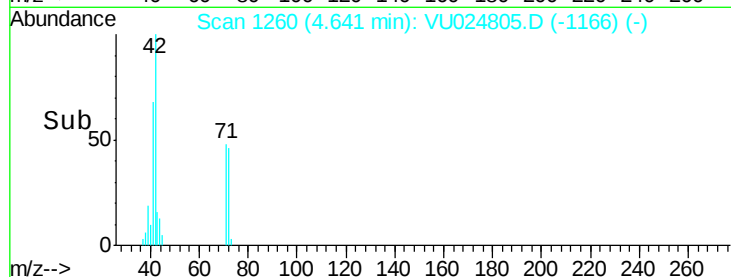
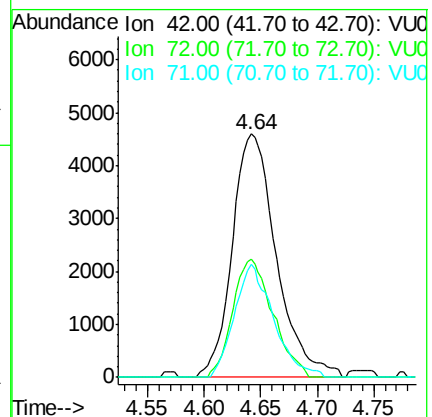
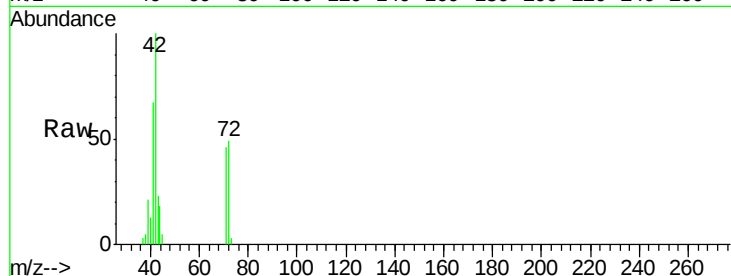
Tot Ion: 42 Resp: 12486

Ion Ratio Lower Upper

42 100

72 44.2 34.5 51.7

71 41.1 32.2 48.4



#33

1,2-Dichloroethane-d4

Concen: 44.10 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024805.D

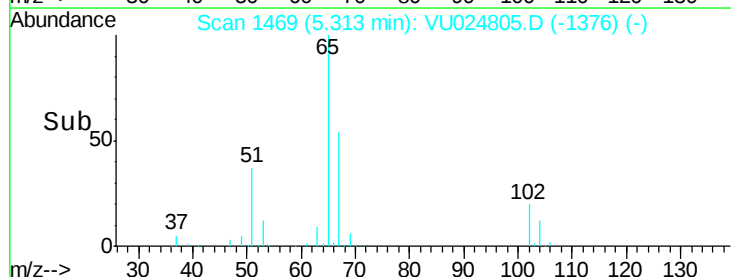
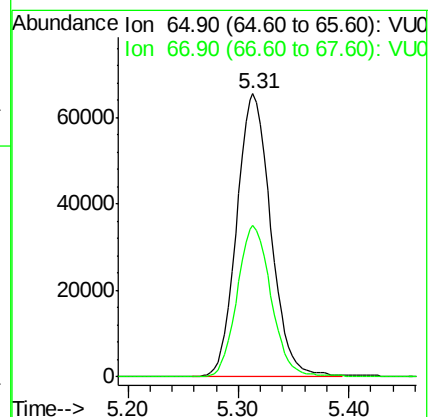
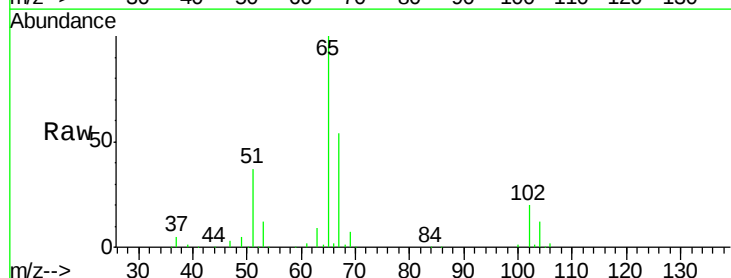
Acq: 21 Jun 2018 12:50

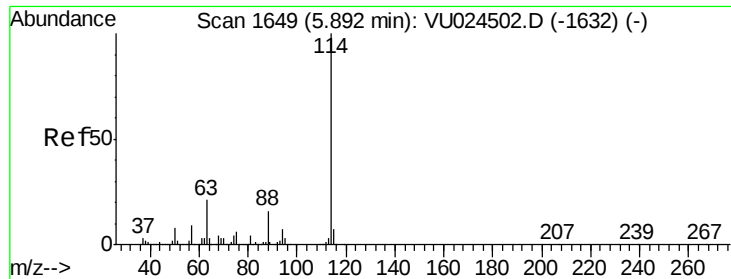
Tgt Ion: 65 Resp: 140613

Ion Ratio Lower Upper

65 100

67 53.3 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: VU024805.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04

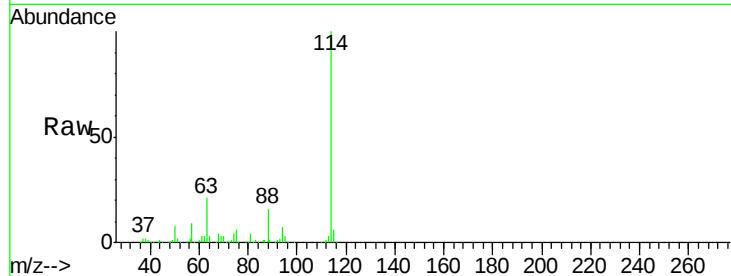
Tot Ion:114 Resp: 300205

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

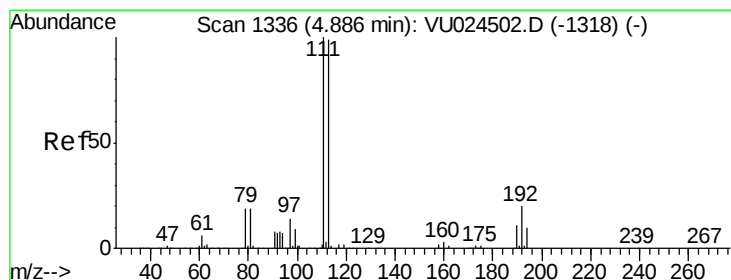
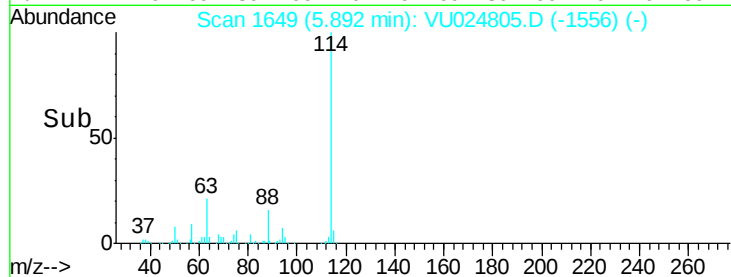
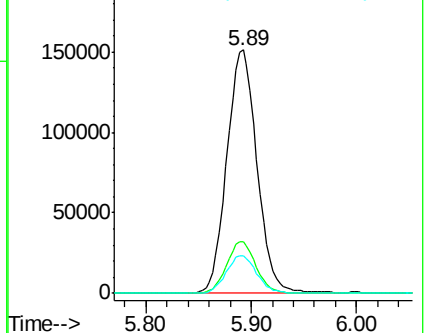
88 15.5 0.0 31.0



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: 47.05 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

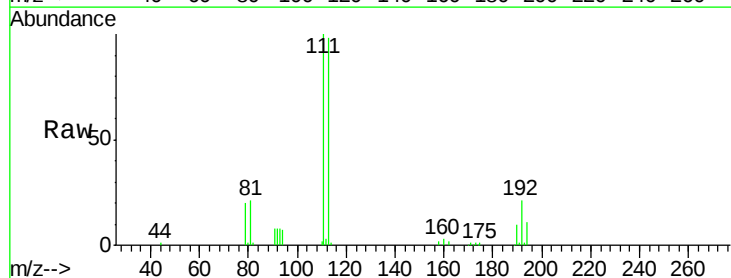
Tgt Ion:113 Resp: 117227

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

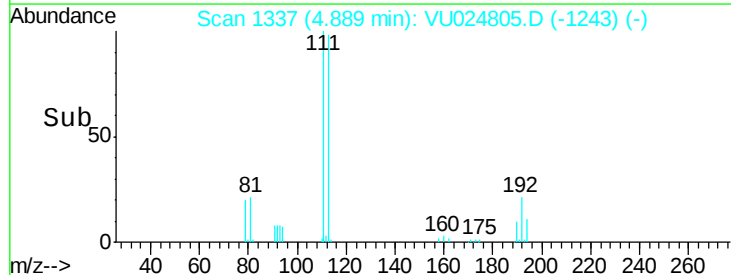
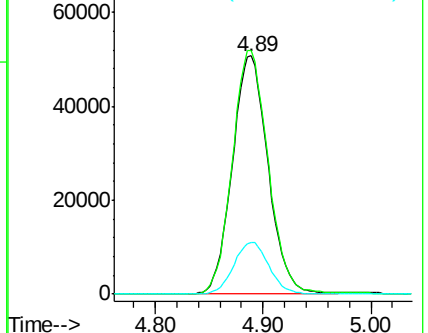
192 21.3 16.2 24.4

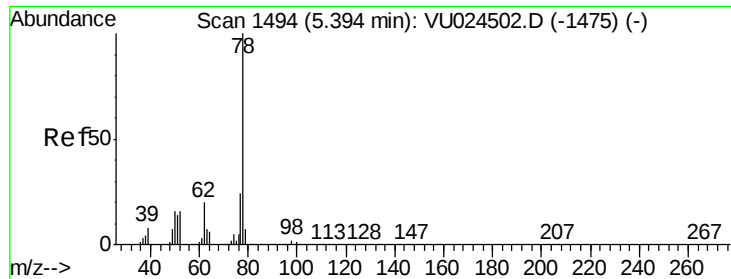


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 7.61 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

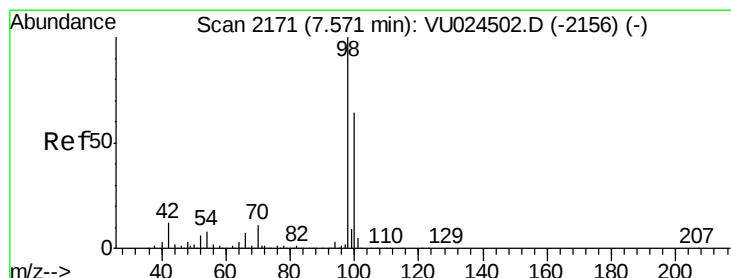
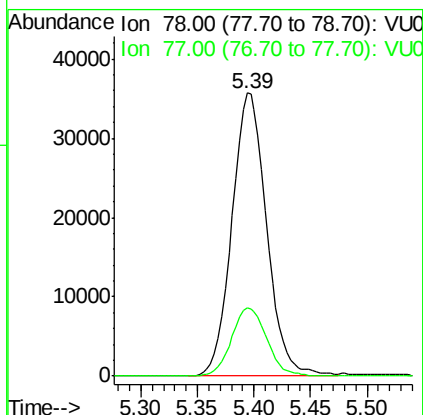
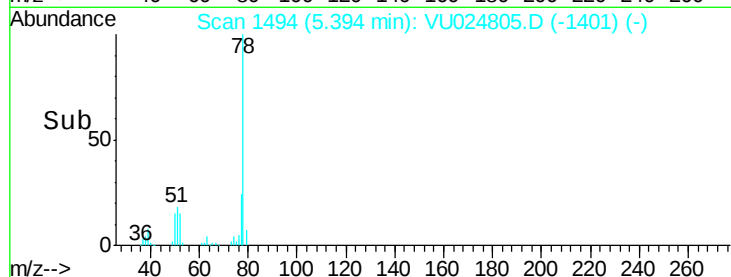
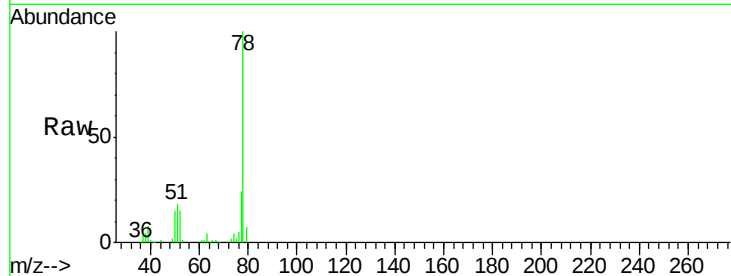
TPTW-04

Tot Ion: 78 Resp: 76511

Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8



#50

Toluene-d8

Concen: 47.78 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024805.D

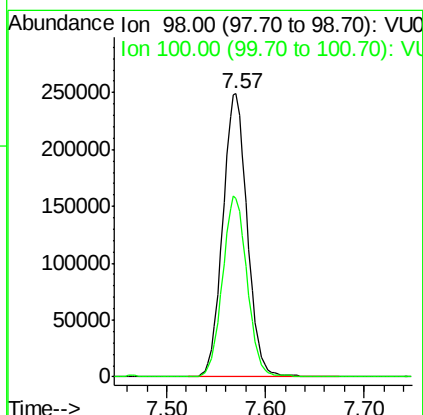
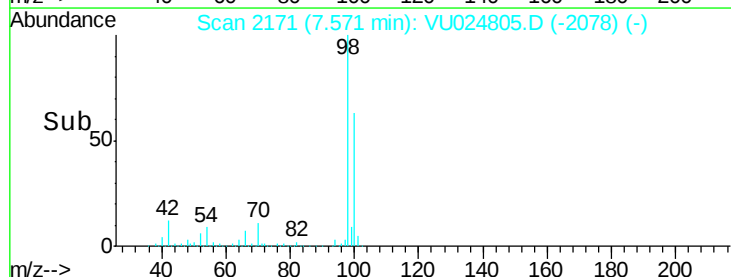
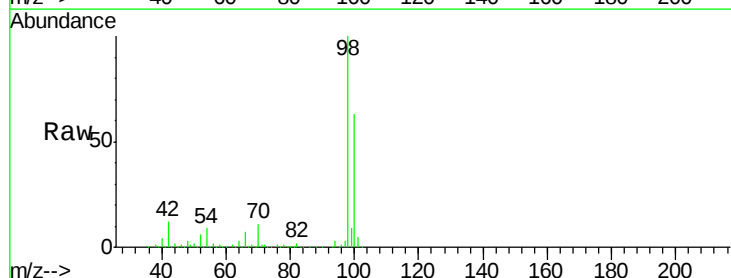
Acq: 21 Jun 2018 12:50

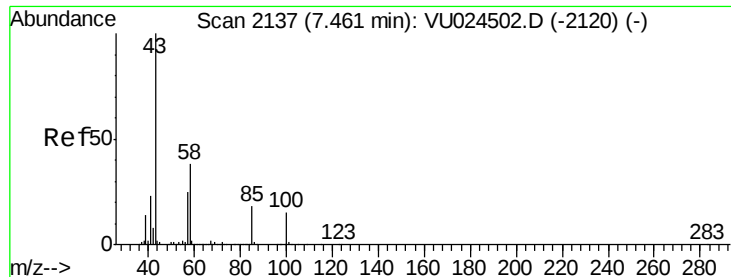
Tgt Ion: 98 Resp: 434230

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 3.37 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

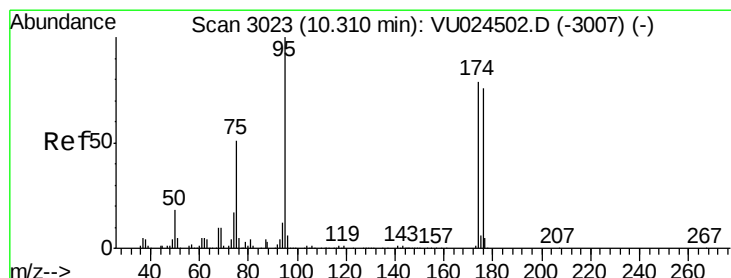
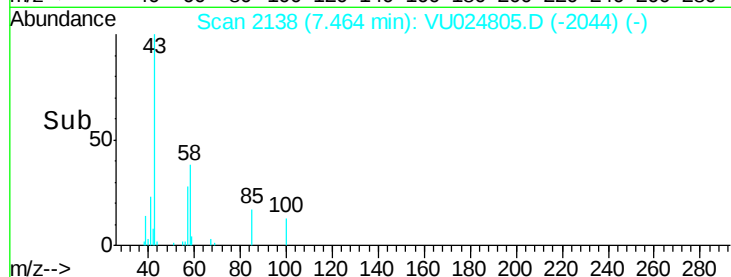
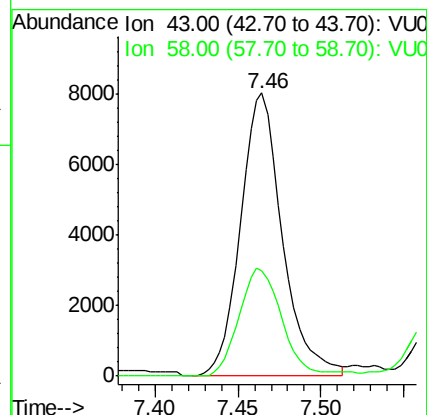
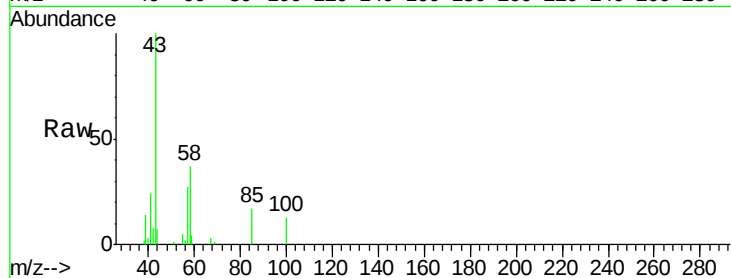
TPTW-04

Tot Ion: 43 Resp: 14059

Ion Ratio Lower Upper

43 100

58 38.5 30.0 45.0



#62

4-Bromofluorobenzene

Concen: 45.11 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

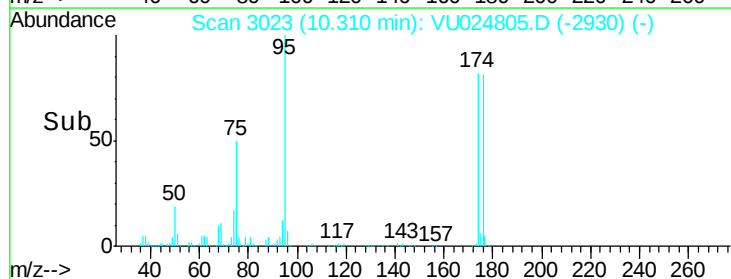
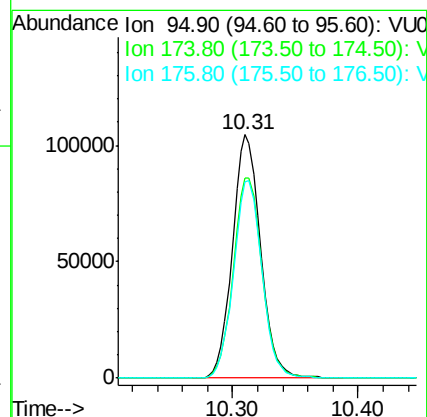
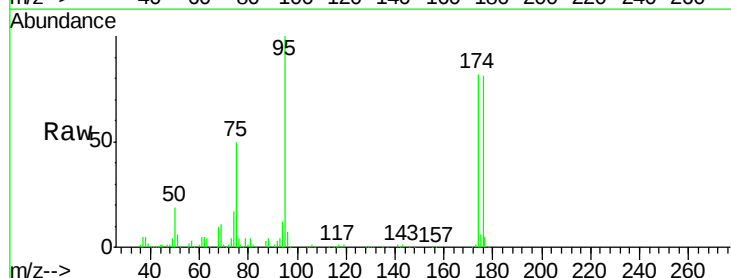
Tgt Ion: 95 Resp: 162755

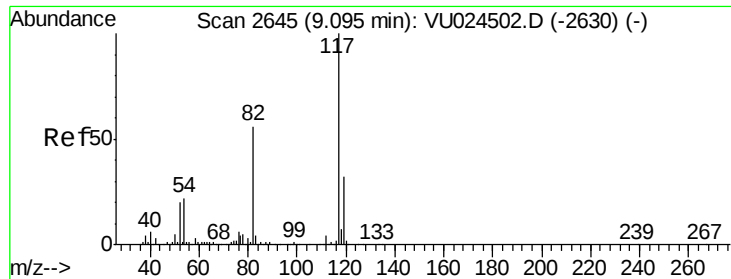
Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

176 81.8 0.0 159.4

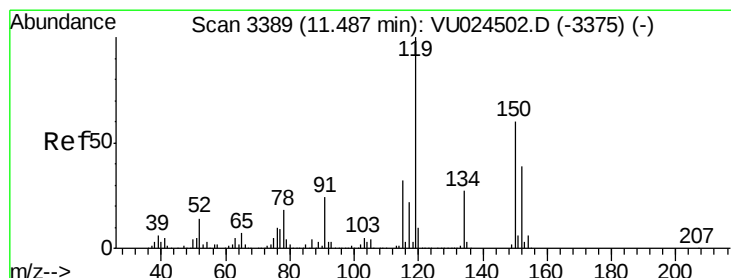
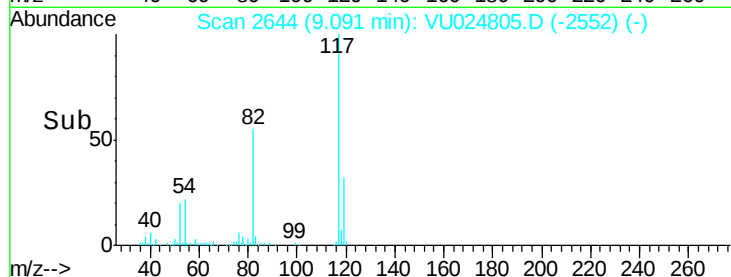
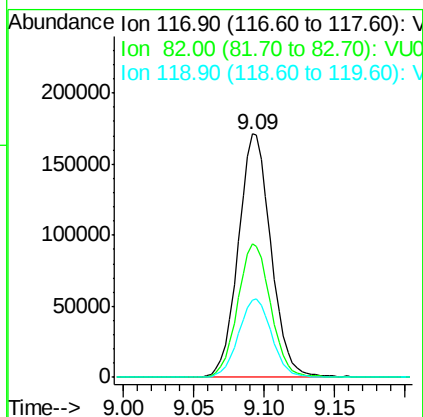
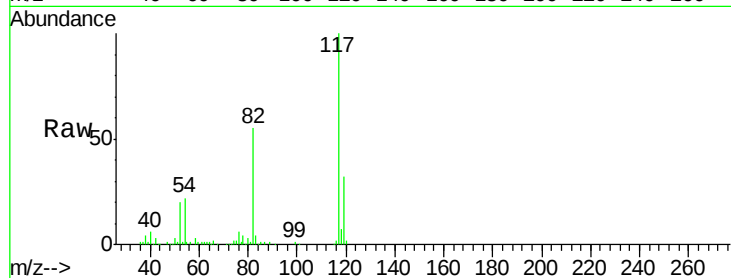




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024805.D
Acq: 21 Jun 2018 12:50

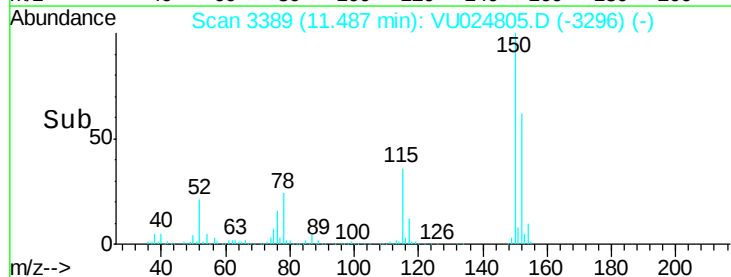
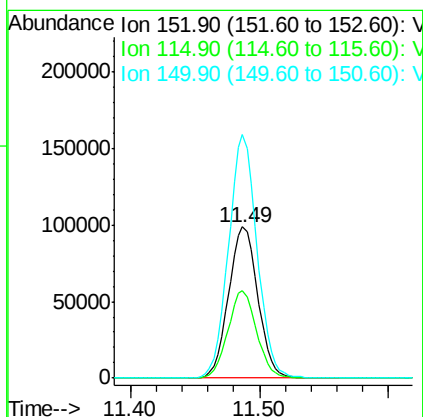
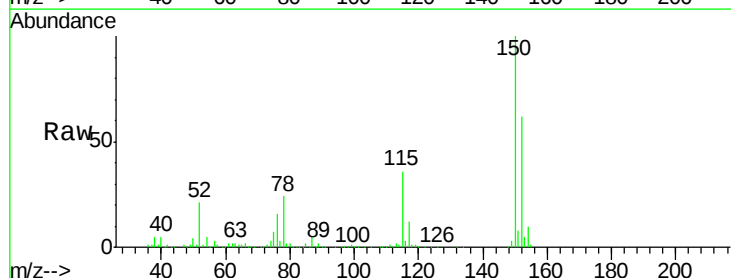
Instrument :
MSVOA_U
ClientSampled :
TPTW-04

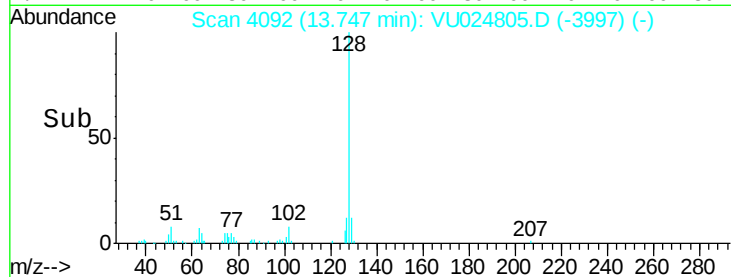
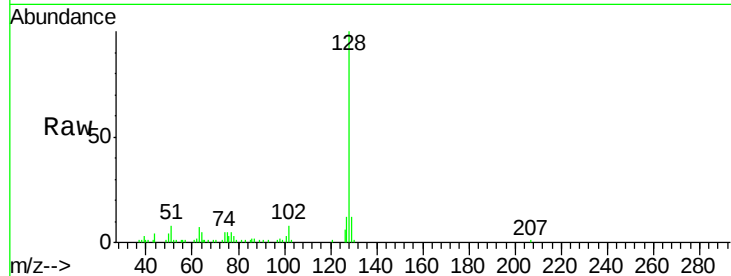
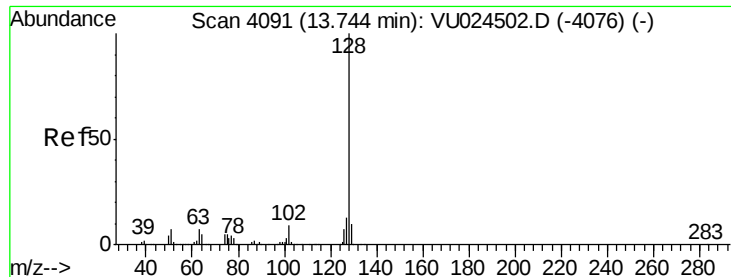
Tot Ion:117 Resp: 278480
Ion Ratio Lower Upper
117 100
82 54.6 44.3 66.5
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024805.D
Acq: 21 Jun 2018 12:50

Tgt Ion:152 Resp: 155577
Ion Ratio Lower Upper
152 100
115 56.7 43.0 129.0
150 156.7 0.0 354.0





#95

Naphthalene

Concen: 3.39 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024805.D

Acq: 21 Jun 2018 12:50

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04

Tot Ion:128 Resp: 31452

Ion Ratio Lower Upper

128 100

127 12.1 10.6 16.0

129 10.9 8.6 12.8

