

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024770.D
 Acq On : 20 Jun 2018 20:22
 Operator : MD/SY
 Sample : J3529-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-04

Quant Time: Jun 21 08:16:00 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	200025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	306393	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	288782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159087	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	139329	42.67	ug/l	0.00
Spiked Amount			Recovery	=	85.34%	
35) Dibromofluoromethane	4.89	113	119048	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
50) Toluene-d8	7.57	98	448029	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	10.31	95	165211	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

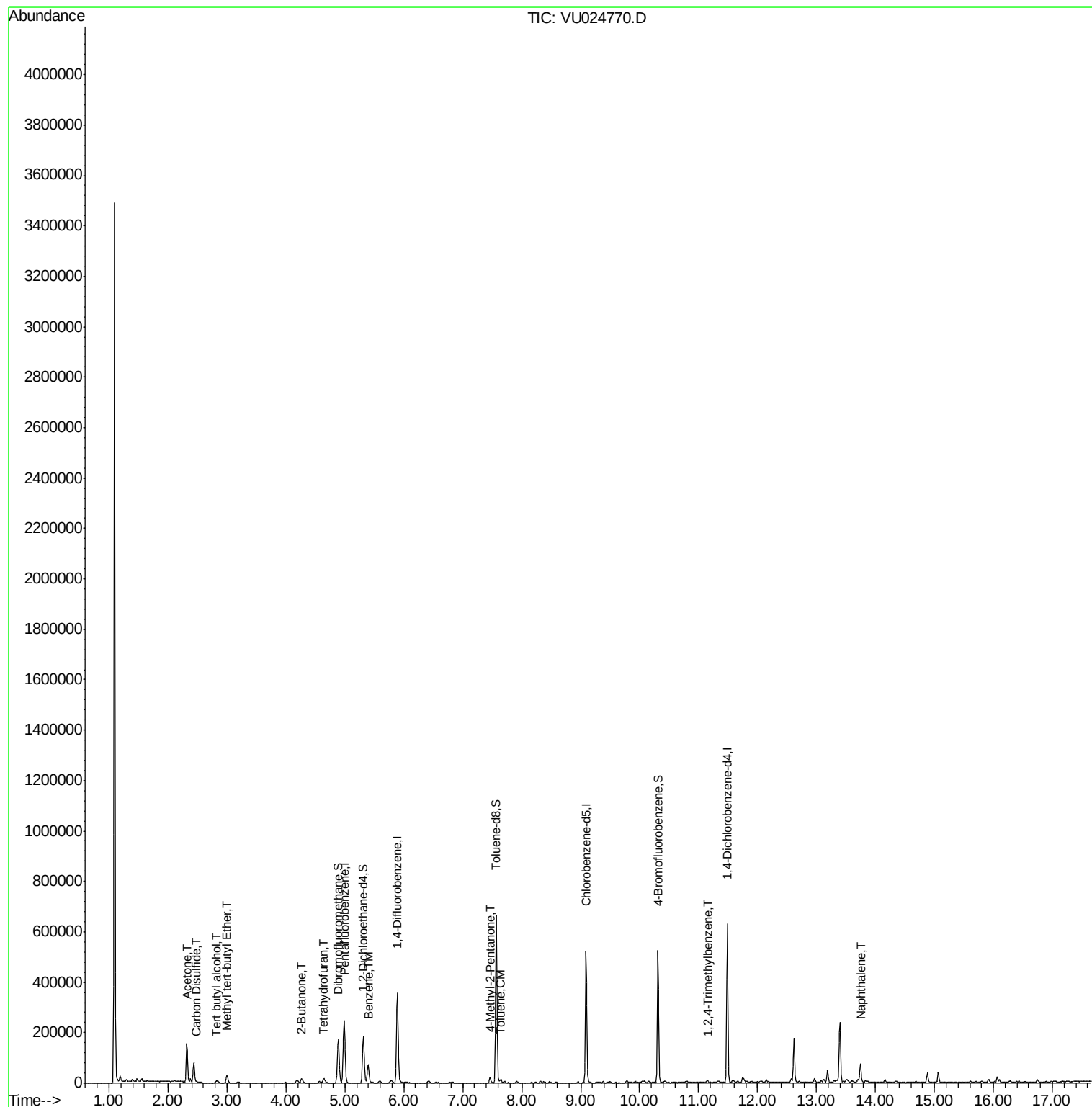
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.82	59	9070	11.42	ug/l	97
16) Acetone	2.32	43	159681	91.01	ug/l	96
17) Carbon Disulfide	2.48	76	5597	0.77	ug/l #	95
19) Methyl tert-butyl Ether	3.00	73	32852	3.84	ug/l	100
25) 2-Butanone	4.27	43	25456	10.80	ug/l	93
29) Tetrahydrofuran	4.64	42	13605	9.32	ug/l	98
40) Benzene	5.39	78	73307	7.15	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	16598	3.89	ug/l	100
52) Toluene	7.64	92	5328	0.81	ug/l	95
84) 1,2,4-Trimethylbenzene	11.15	105	4660	0.43	ug/l	85
95) Naphthalene	13.75	128	56816	5.47	ug/l	99

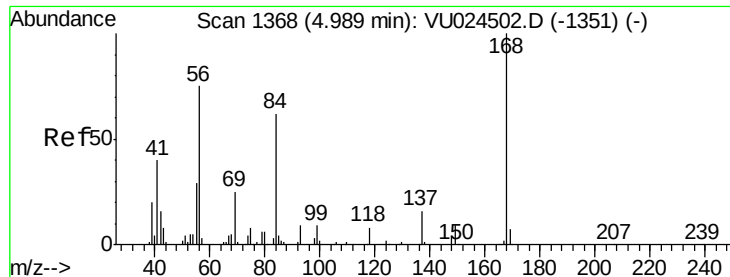
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

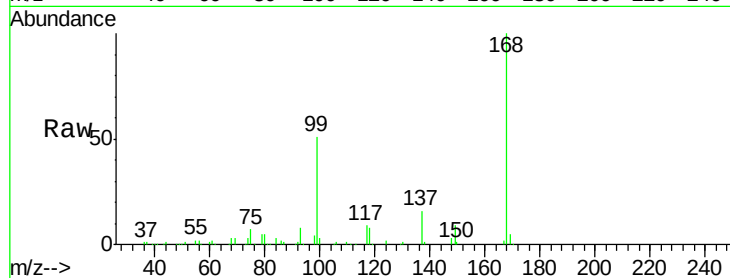
TPTW-04

Tot Ion:168 Resp: 200025

Ion Ratio Lower Upper

168 100

99 51.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024770.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024770.D (-1275) (-)

4.99

80000

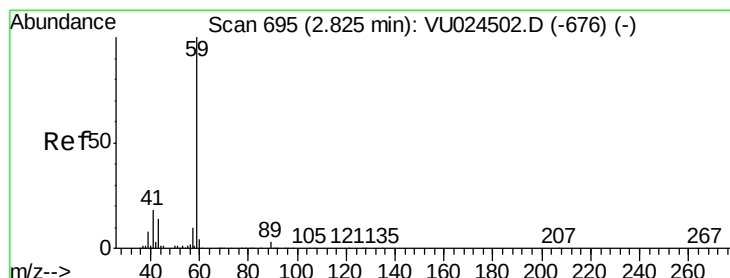
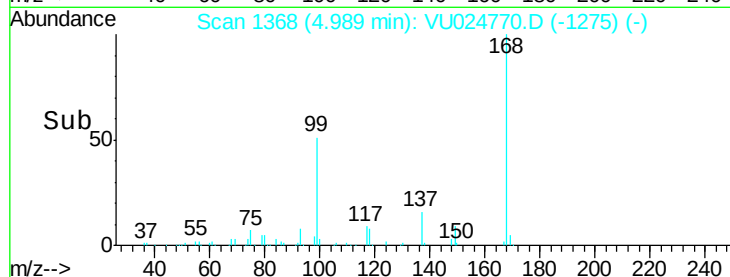
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 11.42 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VU024770.D

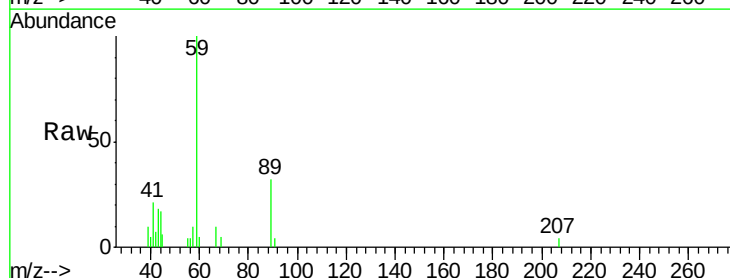
Acq: 20 Jun 2018 20:22

Tgt Ion: 59 Resp: 9070

Ion Ratio Lower Upper

59 100

57 9.5 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VU024770.D (-602) (-)

Ion 57.00 (56.70 to 57.70): VU024770.D (-602) (-)

2.82

4000

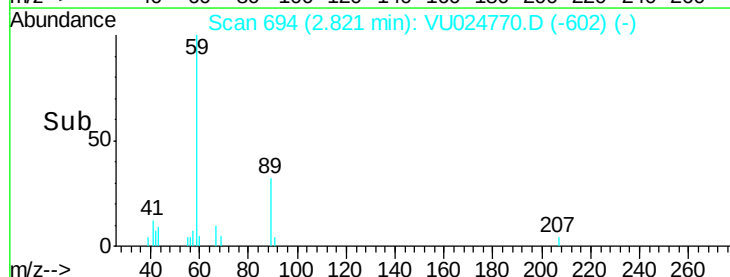
3000

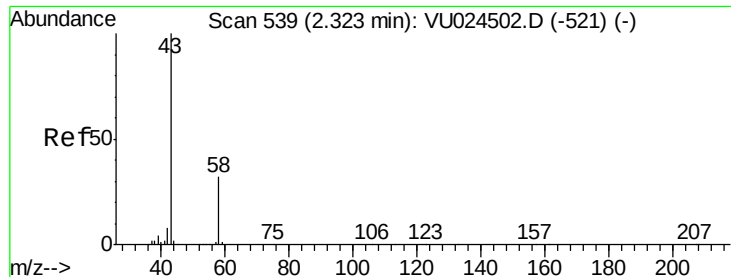
2000

1000

0

Time-->





#16

Acetone

Concen: 91.01 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampled :

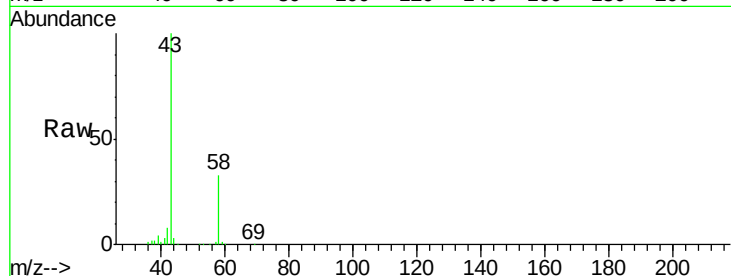
TPTW-04

Tot Ion: 43 Resp: 159681

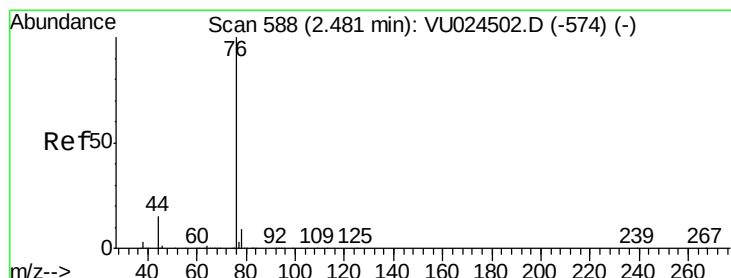
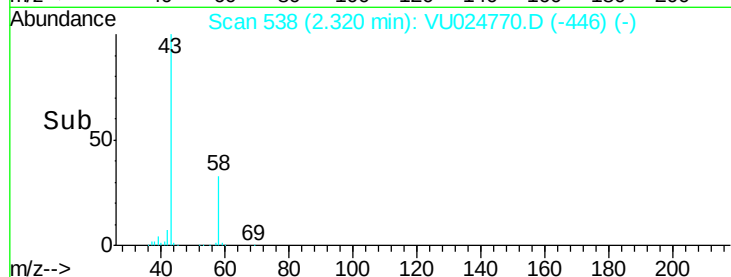
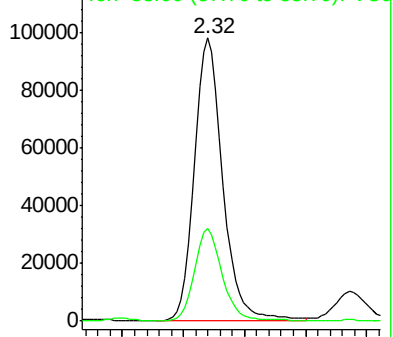
Ion Ratio Lower Upper

43 100

58 32.6 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024770.D (-446) (-)



#17

Carbon Disulfide

Concen: 0.77 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024770.D

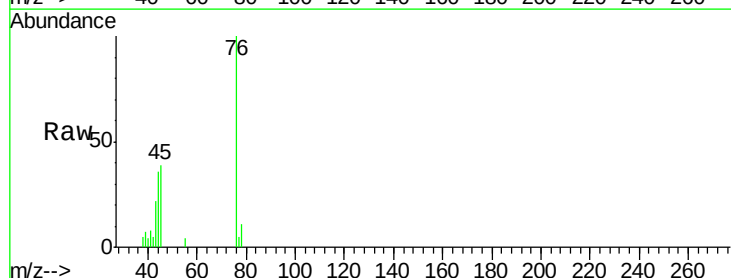
Acq: 20 Jun 2018 20:22

Tgt Ion: 76 Resp: 5597

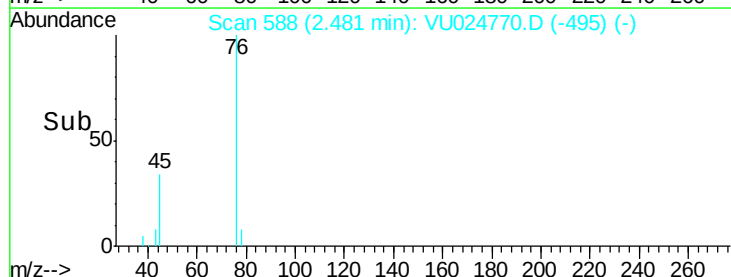
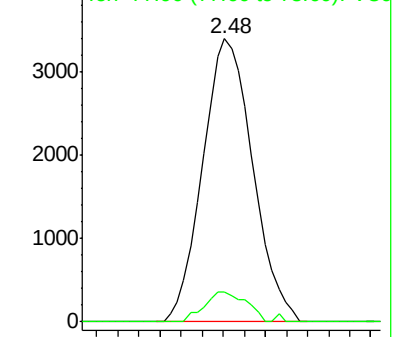
Ion Ratio Lower Upper

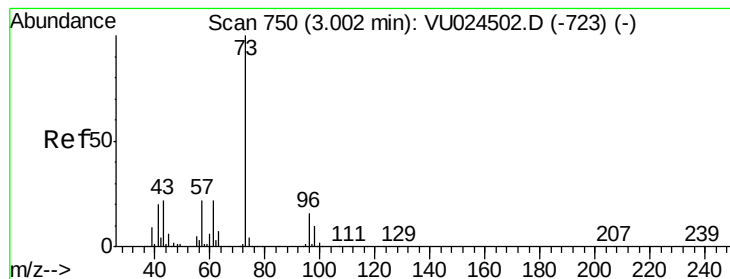
76 100

78 10.7 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU024770.D (-495) (-)





#19

Methyl tert-butyl Ether

Concen: 3.84 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

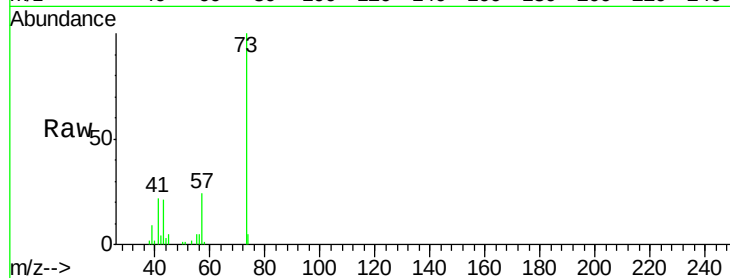
TPTW-04

Tot Ion: 73 Resp: 32852

Ion Ratio Lower Upper

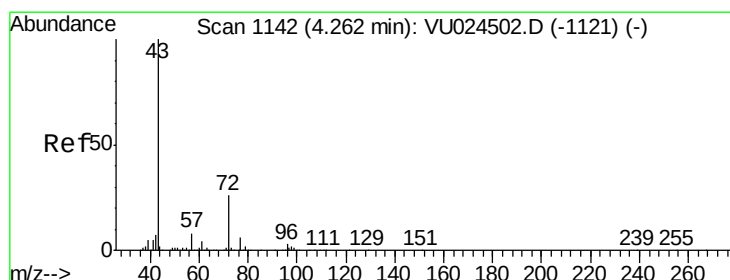
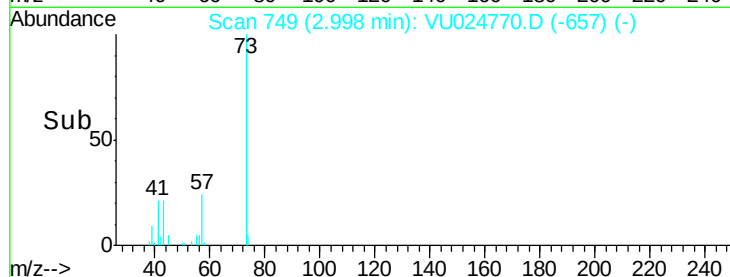
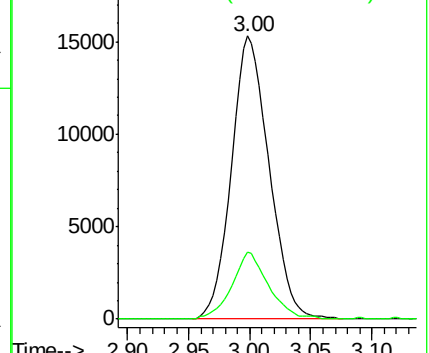
73 100

57 23.7 18.8 28.2



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#25

2-Butanone

Concen: 10.80 ug/l

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU024770.D

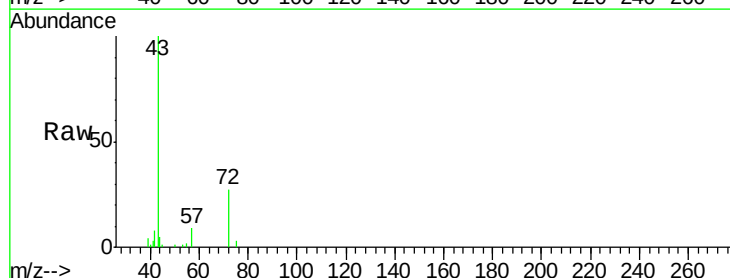
Acq: 20 Jun 2018 20:22

Tgt Ion: 43 Resp: 25456

Ion Ratio Lower Upper

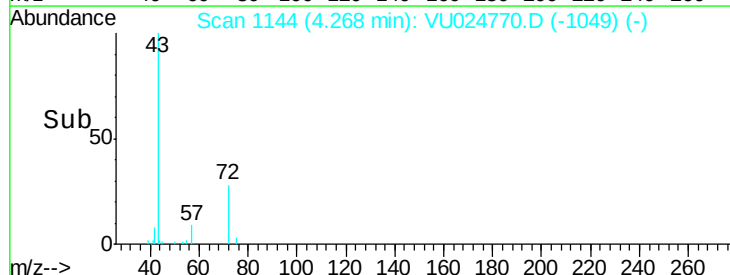
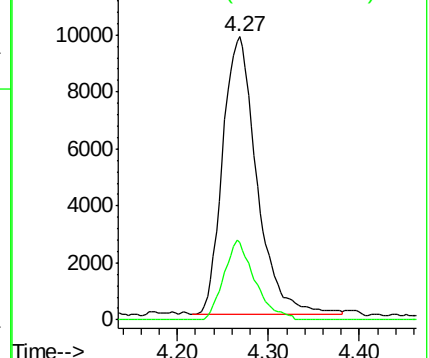
43 100

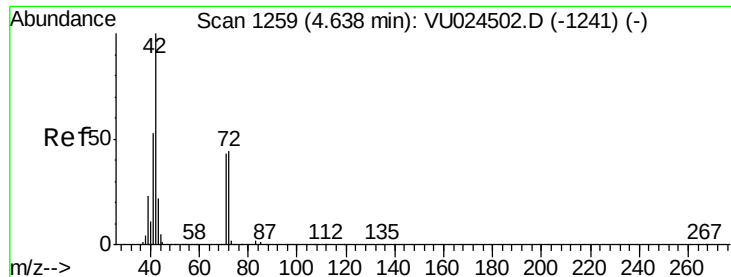
72 28.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#29

Tetrahydrofuran

Concen: 9.32 ug/l

RT: 4.64 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04

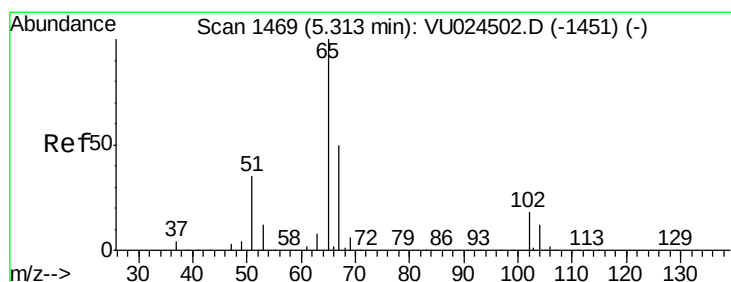
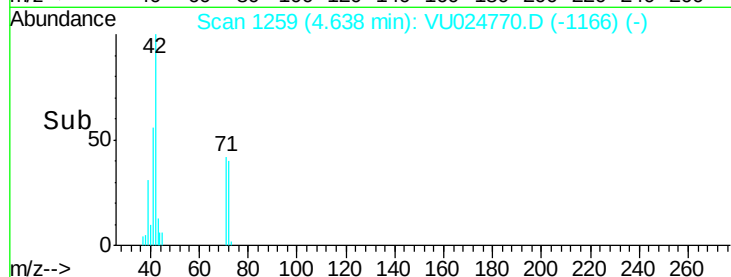
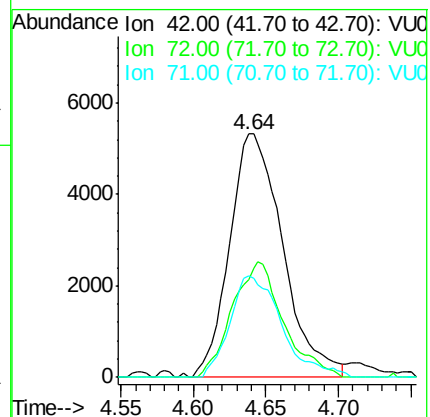
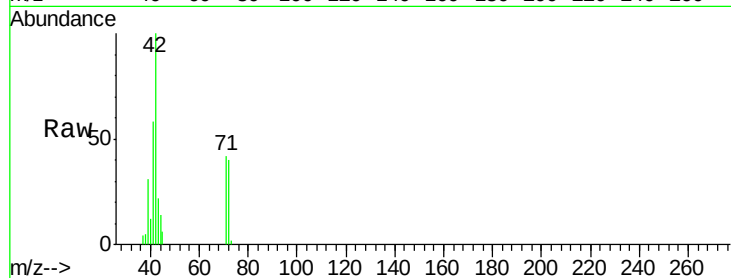
Tot Ion: 42 Resp: 13605

Ion Ratio Lower Upper

42 100

72 45.5 34.5 51.7

71 40.7 32.2 48.4



#33

1,2-Dichloroethane-d4

Concen: 42.67 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024770.D

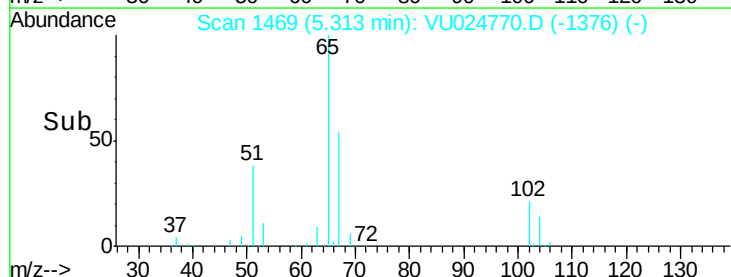
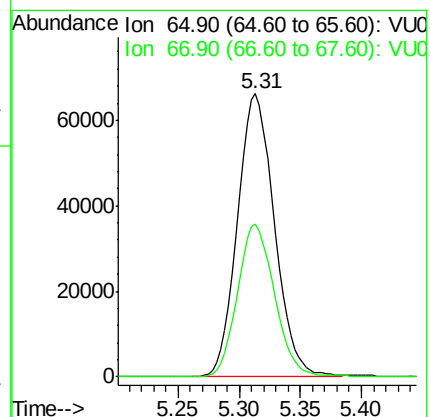
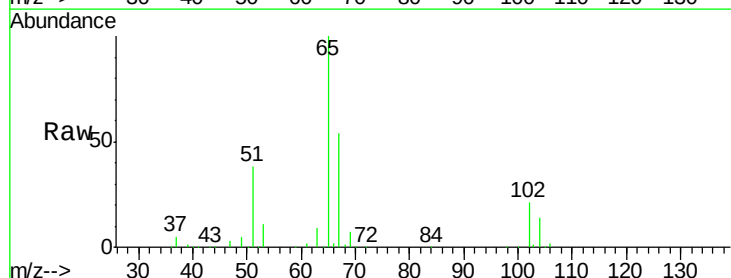
Acq: 20 Jun 2018 20:22

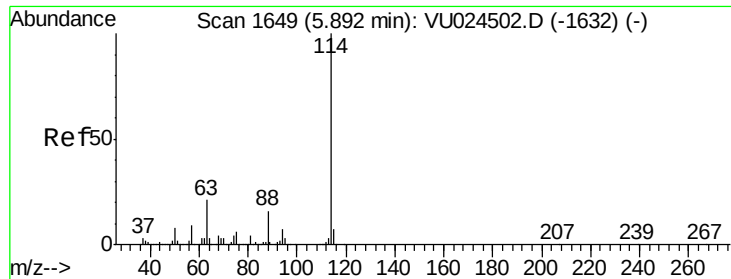
Tgt Ion: 65 Resp: 139329

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04

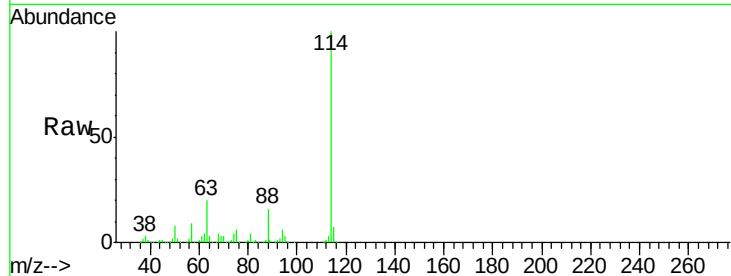
Tot Ion:114 Resp: 306393

Ion Ratio Lower Upper

114 100

63 20.3 0.0 45.4

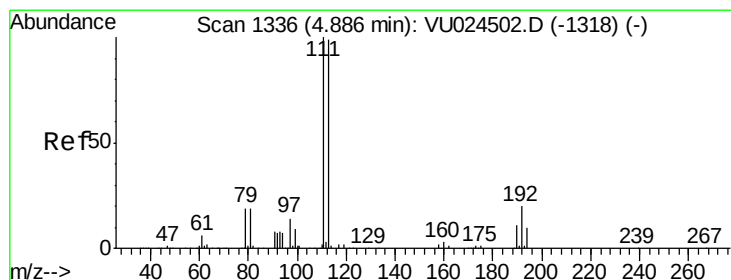
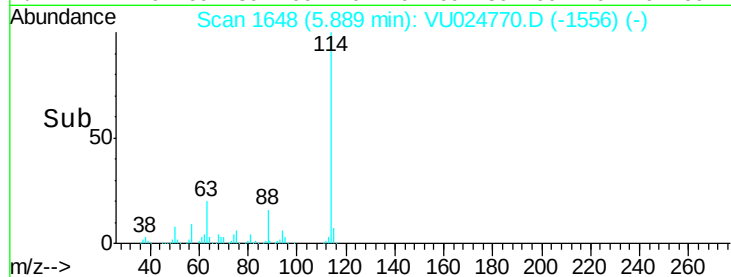
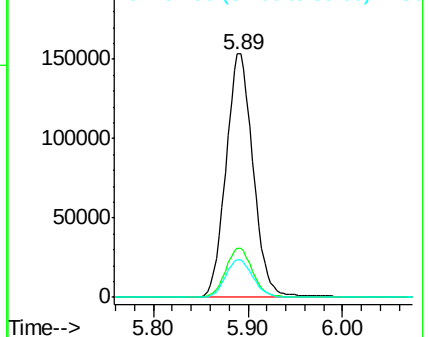
88 15.6 0.0 31.0



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: 46.82 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

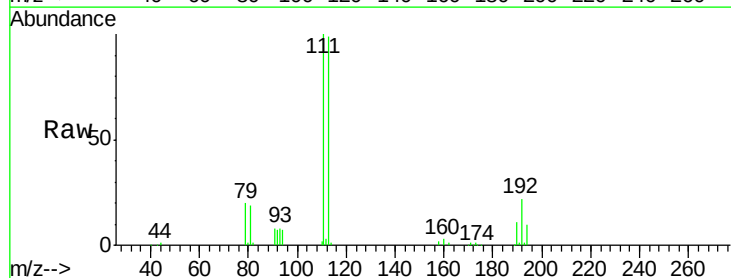
Tgt Ion:113 Resp: 119048

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

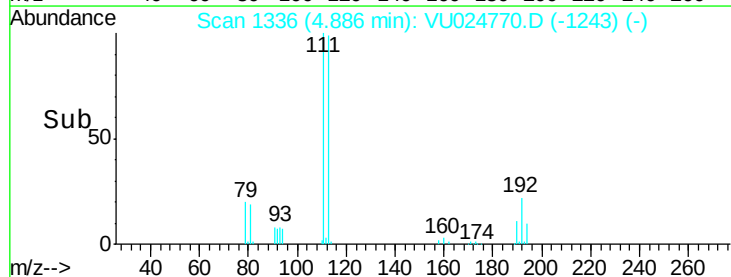
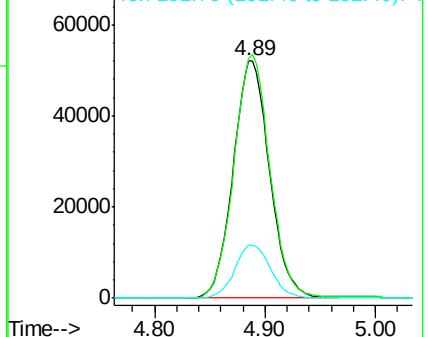
192 22.0 16.2 24.4

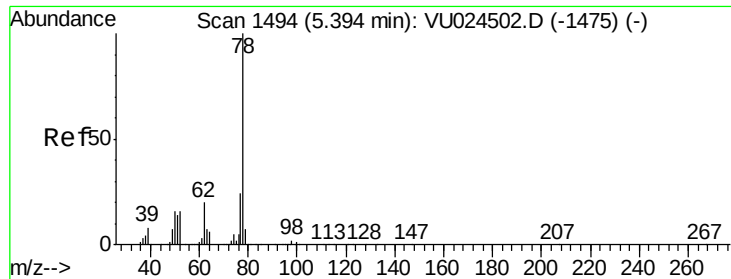


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 7.15 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

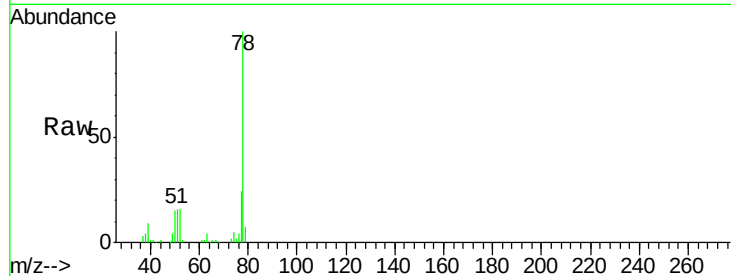
TPTW-04

Tot Ion: 78 Resp: 73307

Ion Ratio Lower Upper

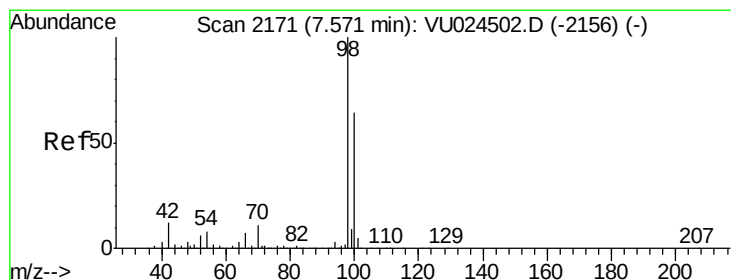
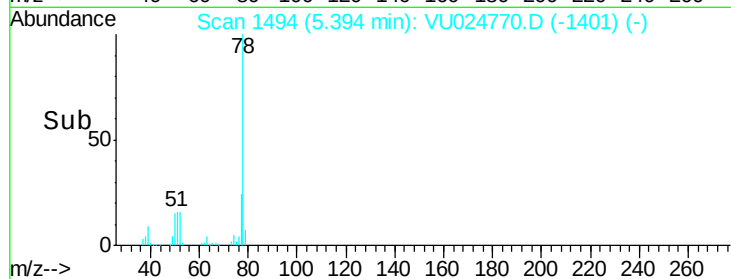
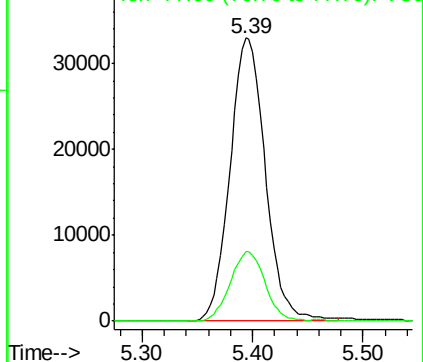
78 100

77 24.5 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#50

Toluene-d8

Concen: 48.30 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024770.D

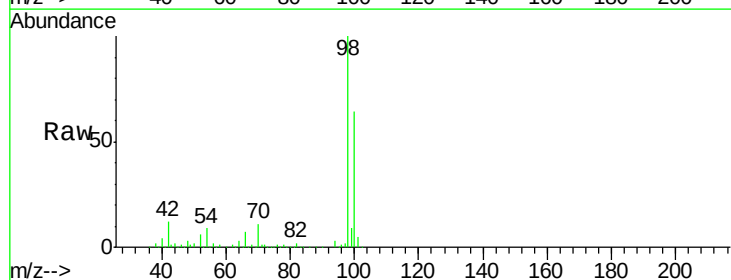
Acq: 20 Jun 2018 20:22

Tgt Ion: 98 Resp: 448029

Ion Ratio Lower Upper

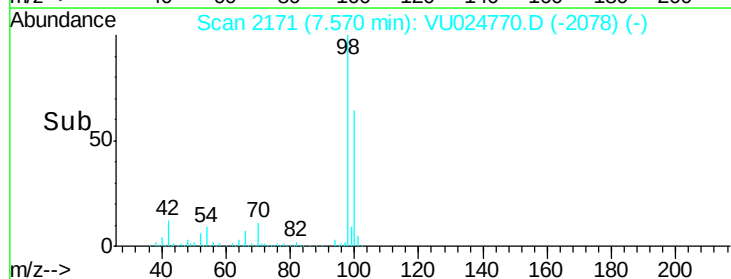
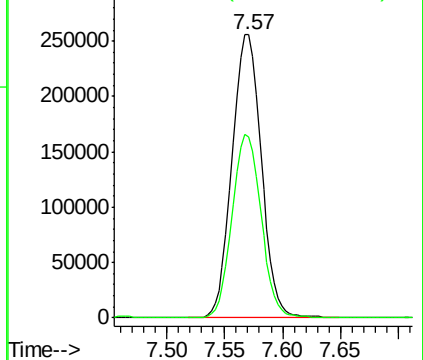
98 100

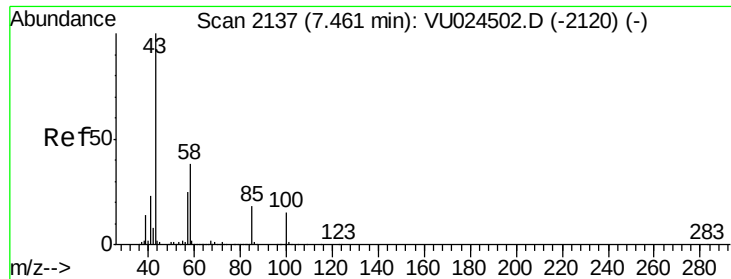
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 3.89 ug/l

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

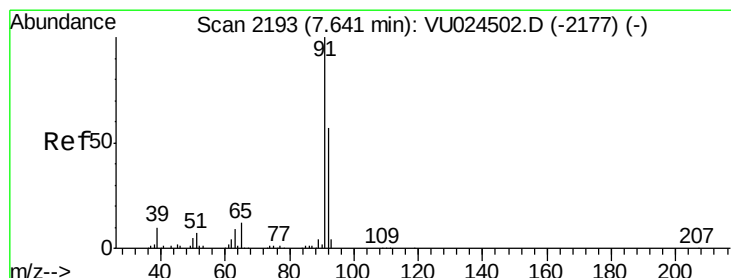
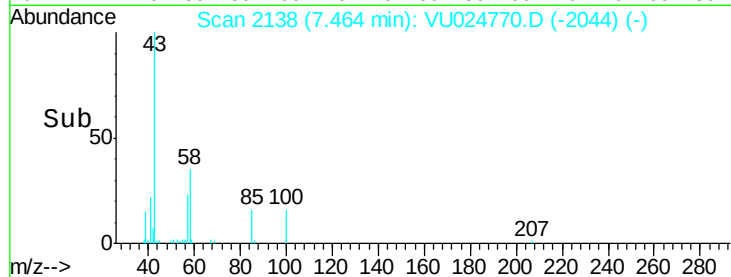
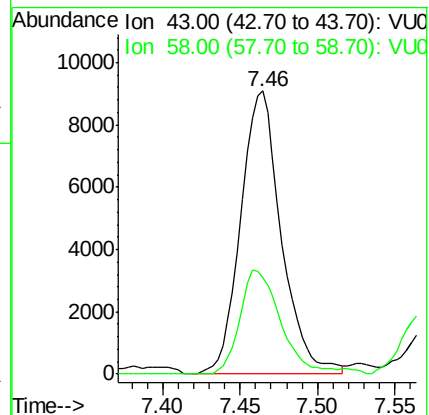
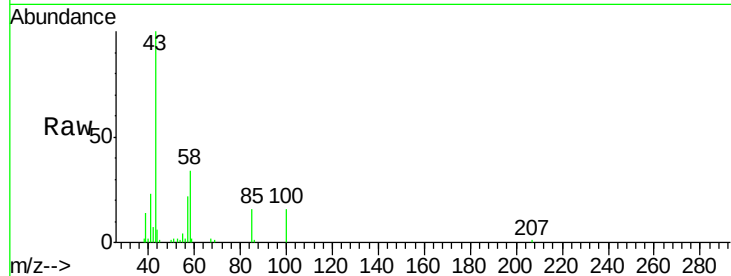
TPTW-04

Tot Ion: 43 Resp: 16598

Ion Ratio Lower Upper

43 100

58 37.4 30.0 45.0



#52

Toluene

Concen: 0.81 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024770.D

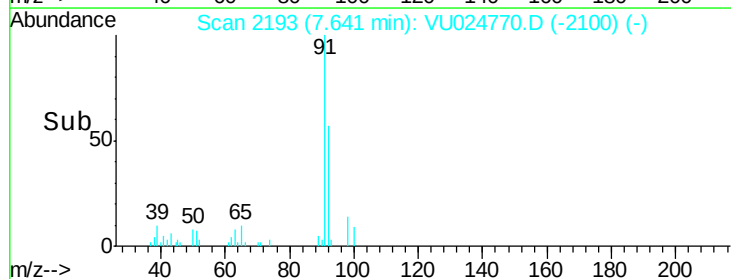
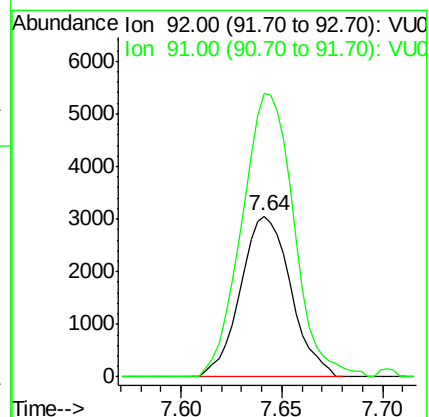
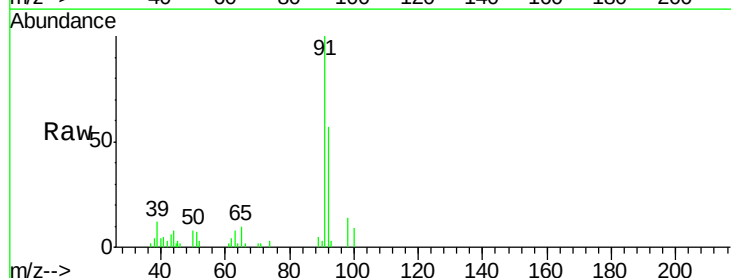
Acq: 20 Jun 2018 20:22

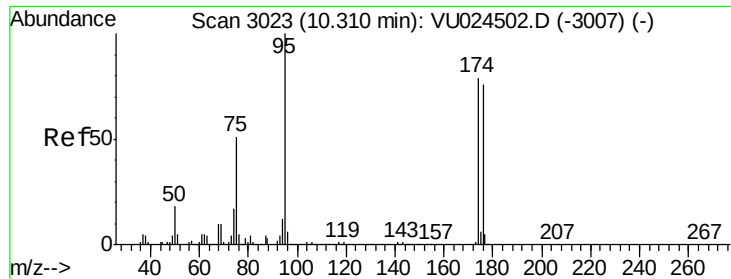
Tgt Ion: 92 Resp: 5328

Ion Ratio Lower Upper

92 100

91 182.7 140.5 210.7

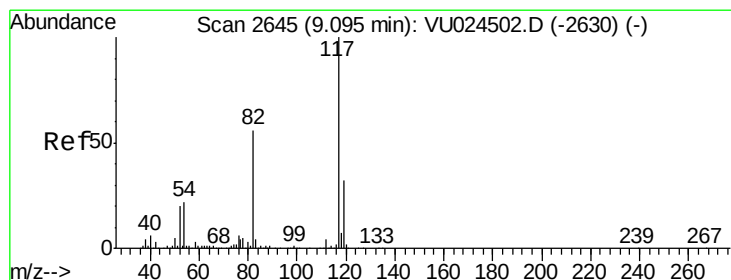
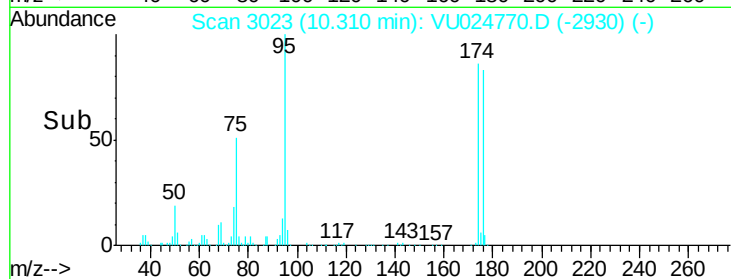
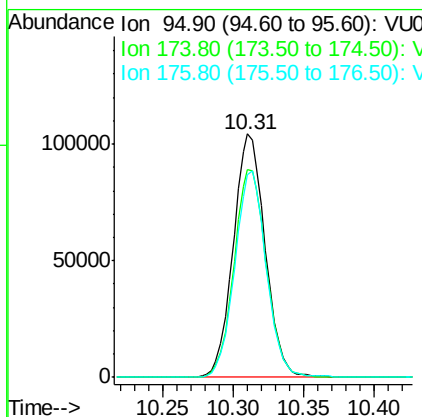
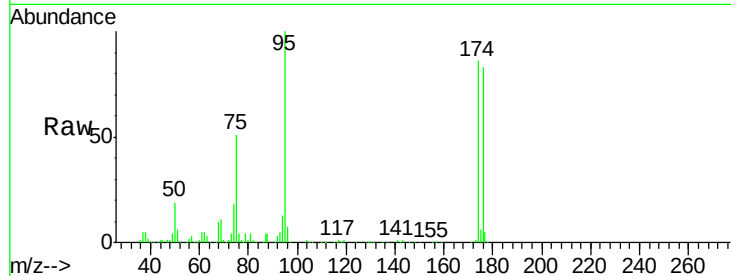




#62
4-Bromofluorobenzene
Concen: 44.86 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024770.D
Acq: 20 Jun 2018 20:22

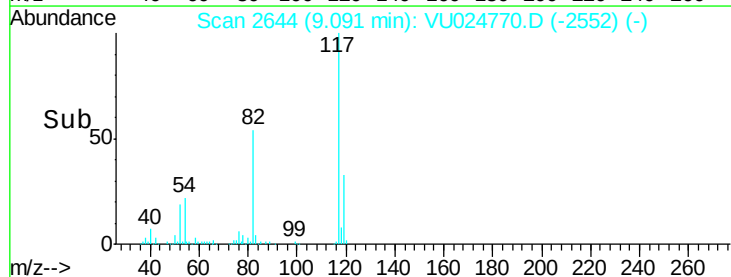
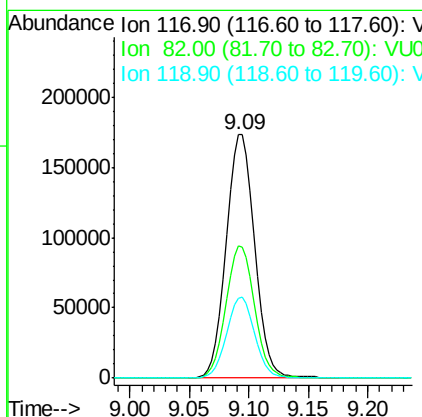
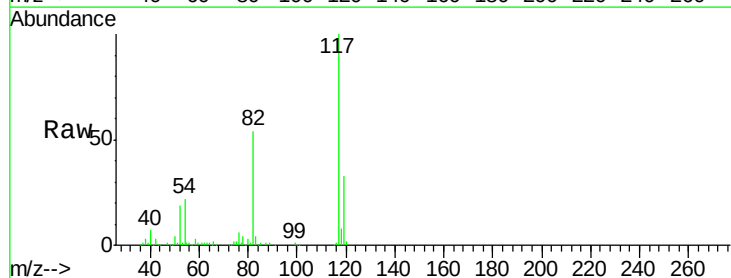
Instrument :
MSVOA_U
ClientSampled :
TPTW-04

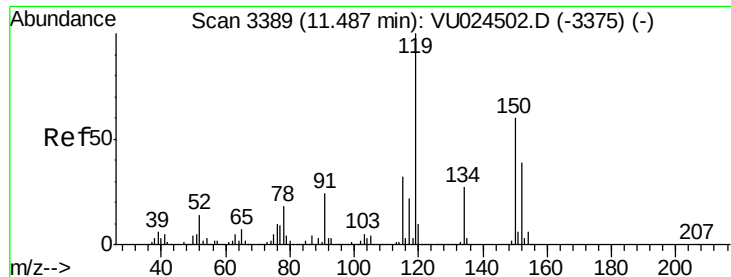
Tot Ion	95	Resp	165211
Ion Ratio	Lower	Upper	
95	100		
174	86.2	0.0	165.8
176	83.8	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024770.D
Acq: 20 Jun 2018 20:22

Tgt Ion	117	Resp	288782
Ion Ratio	Lower	Upper	
117	100		
82	54.1	44.3	66.5
119	32.9	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: VU024770.D

Acq: 20 Jun 2018 20:22

Instrument :

MSVOA_U

ClientSampleId :

TPTW-04

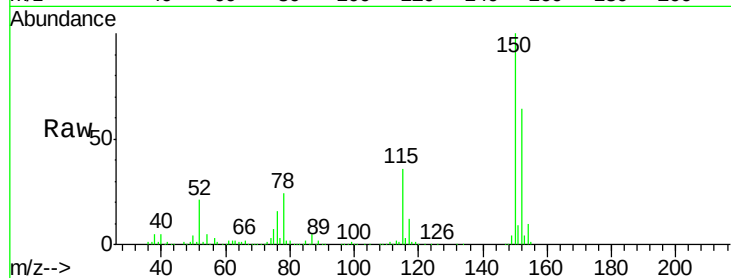
Tot Ion:152 Resp: 159087

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

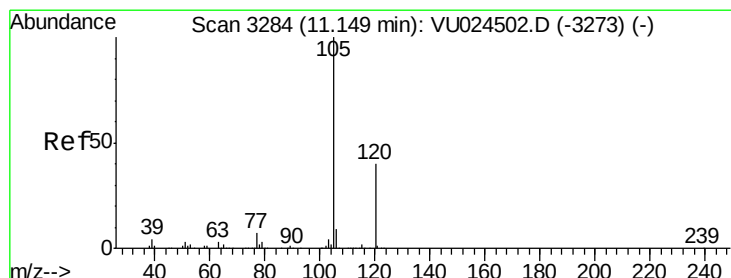
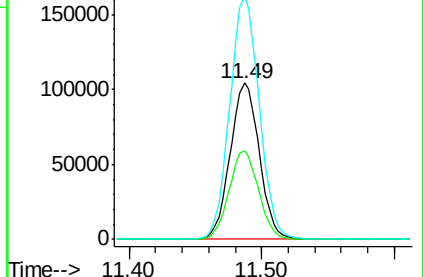
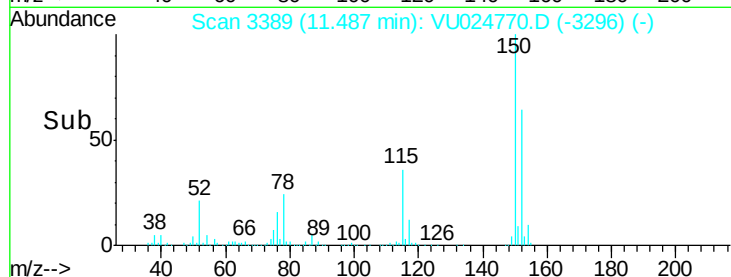
150 157.5 0.0 354.0



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



#84

1,2,4-Trimethylbenzene

Concen: 0.43 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024770.D

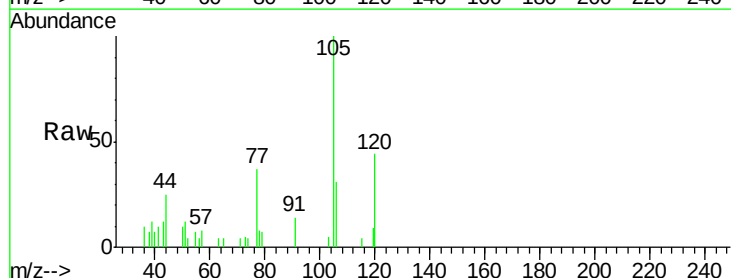
Acq: 20 Jun 2018 20:22

Tgt Ion:105 Resp: 4660

Ion Ratio Lower Upper

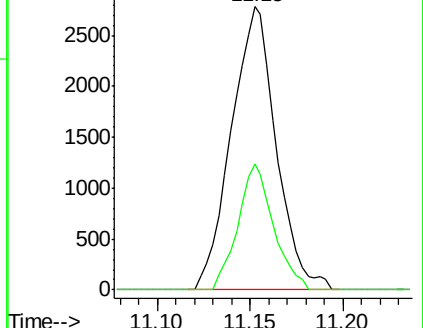
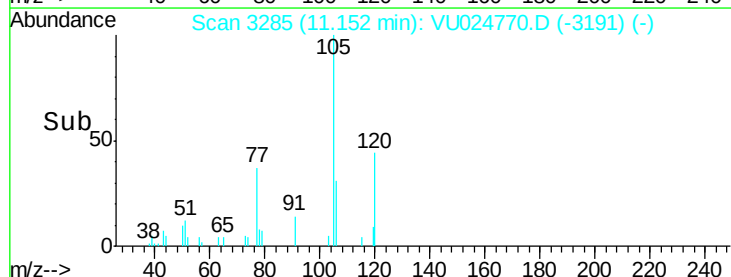
105 100

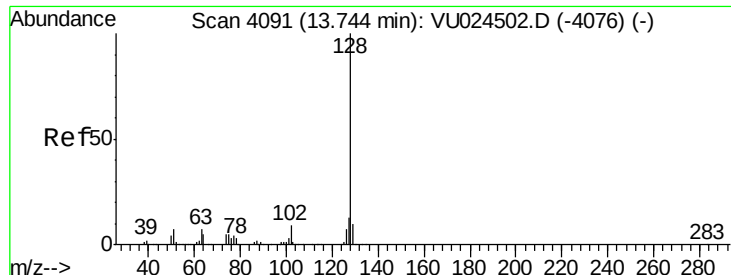
120 35.2 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

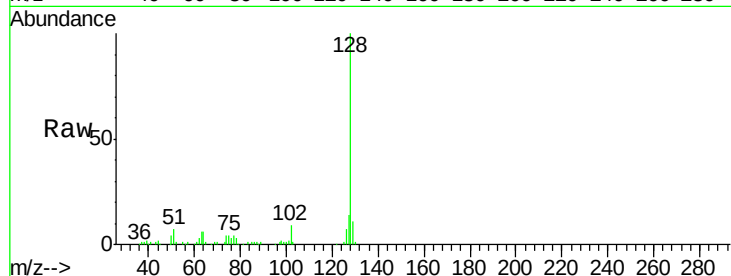




#95
Naphthalene
Concen: 5.47 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU024770.D
Acq: 20 Jun 2018 20:22

Instrument :
MSVOA_U
ClientSampleId :
TPTW-04

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.2	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

