

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024769.D
 Acq On : 20 Jun 2018 19:57
 Operator : MD/SY
 Sample : J3529-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-02

Quant Time: Jun 21 10:33:49 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	209982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	326324	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175317	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	145578	42.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.94%	
35) Dibromofluoromethane	4.89	113	127789	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
50) Toluene-d8	7.57	98	478750	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	10.31	95	176205	44.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.86%	

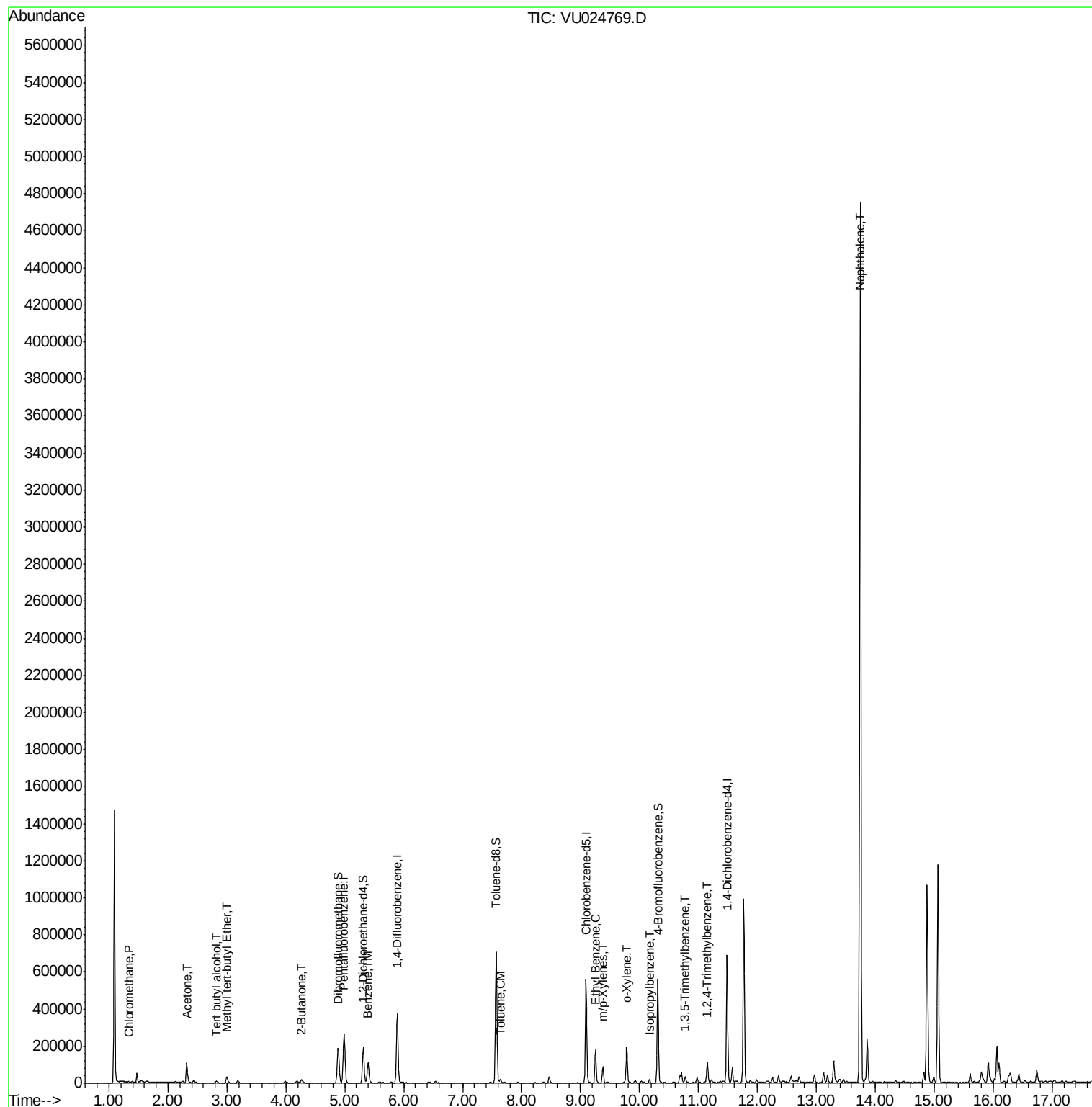
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2852	1.06	ug/l	100
11) Tert butyl alcohol	2.82	59	12615	15.13	ug/l	98
16) Acetone	2.32	43	110704	60.10	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	33801	3.76	ug/l	98
25) 2-Butanone	4.27	43	27333	11.05	ug/l	98
40) Benzene	5.39	78	106586	9.75	ug/l	99
52) Toluene	7.64	92	7671	1.09	ug/l	98
67) Ethyl Benzene	9.25	91	125732	9.16	ug/l	97
68) m/p-Xylenes	9.38	106	25036	4.75	ug/l	98
69) o-Xylene	9.78	106	49380	9.47	ug/l	95
73) Isopropylbenzene	10.17	105	11722	0.87	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	18616	1.60	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	60317	5.07	ug/l	98
95) Naphthalene	13.75	128	3641431	279.32	ug/l	99

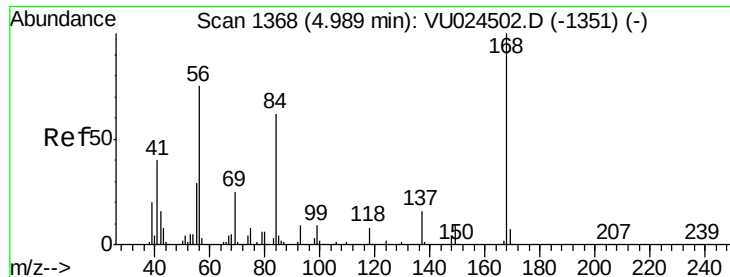
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024769.D

Acq: 20 Jun 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

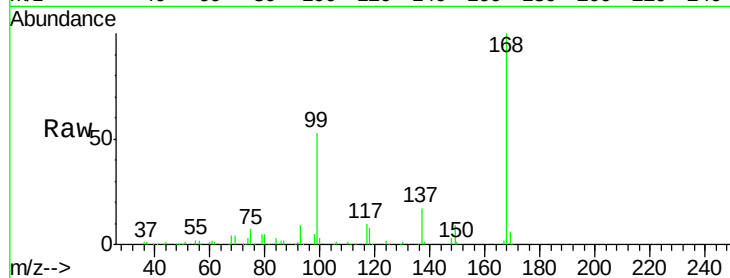
TPTW-02

Tot Ion:168 Resp: 209982

Ion Ratio Lower Upper

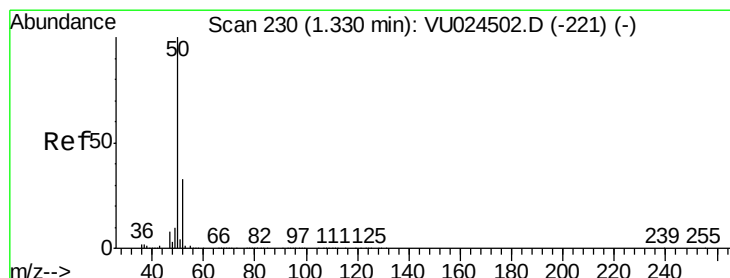
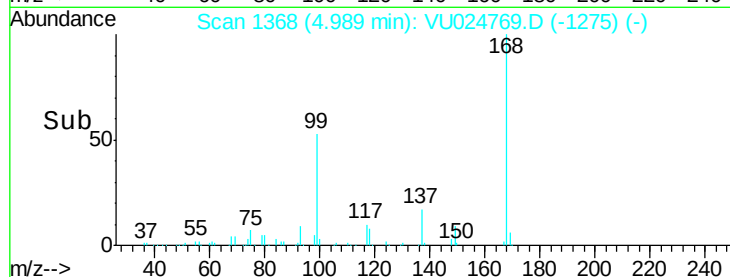
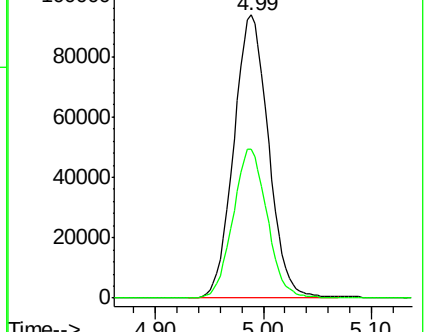
168 100

99 52.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 1.06 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024769.D

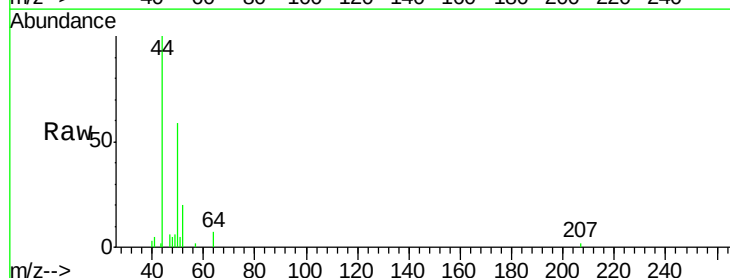
Acq: 20 Jun 2018 19:57

Tgt Ion: 50 Resp: 2852

Ion Ratio Lower Upper

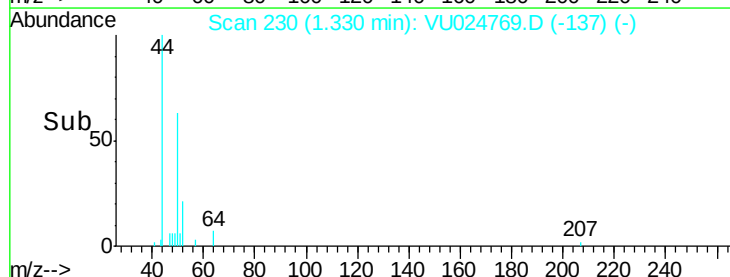
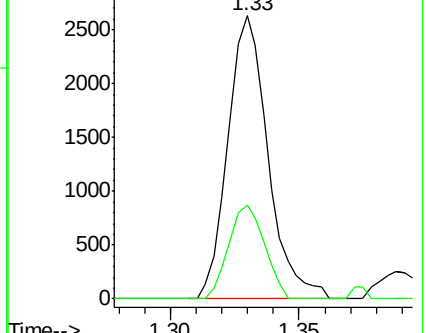
50 100

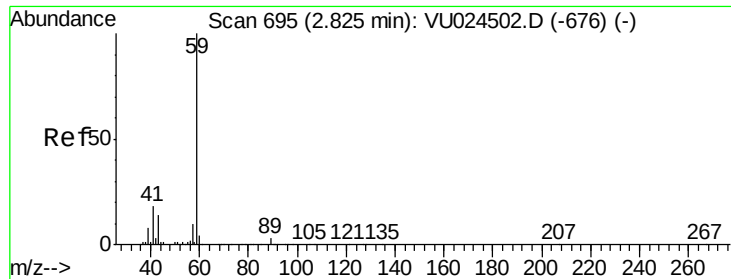
52 33.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

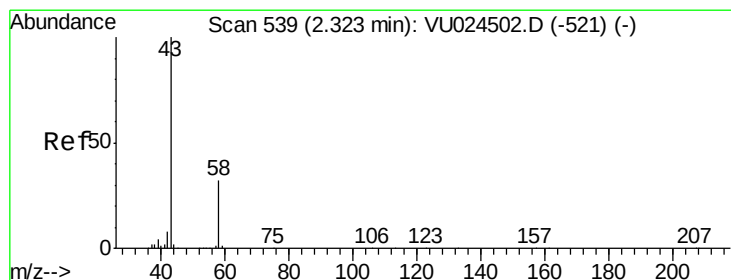
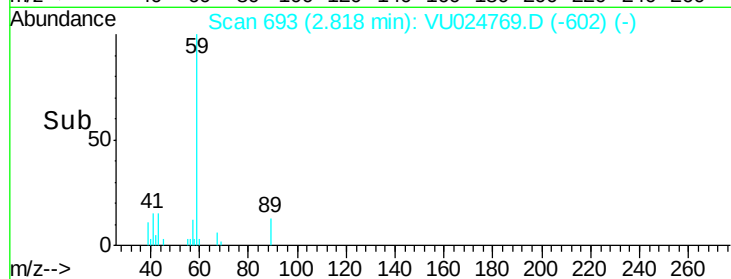
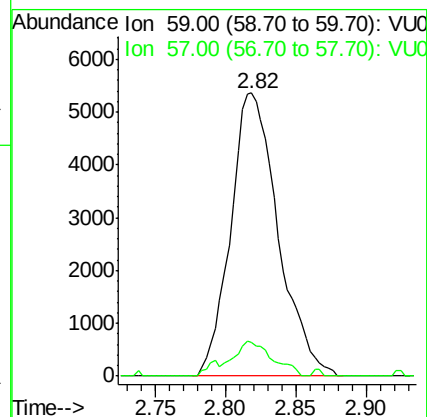
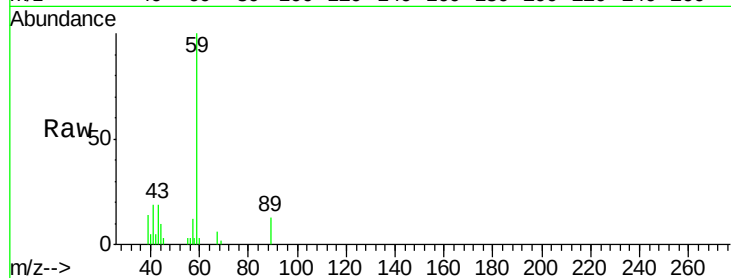




#11
Tert butyl alcohol
Concen: 15.13 ug/l
RT: 2.82 min Scan# 693
Delta R.T. -0.01 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

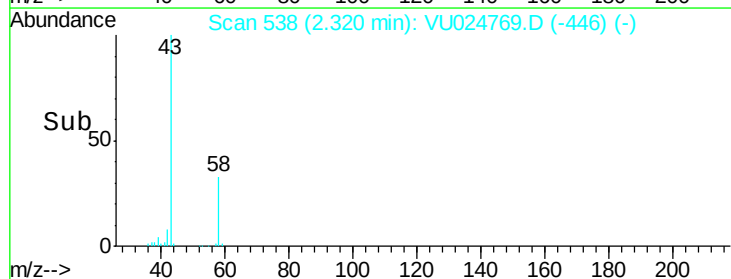
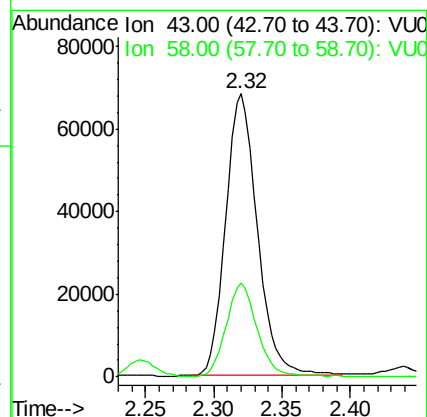
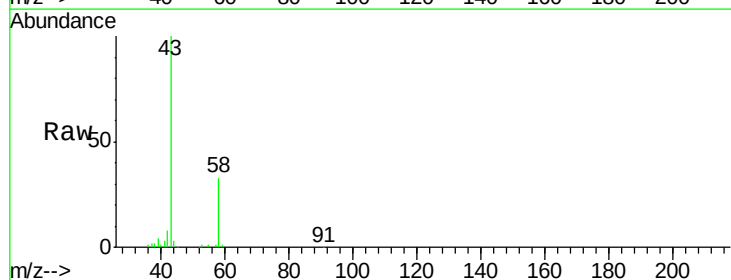
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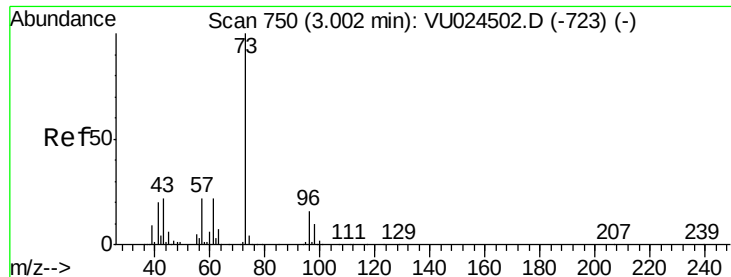
Tot Ion: 59 Resp: 12615
Ion Ratio Lower Upper
59 100
57 9.9 8.5 12.7



#16
Acetone
Concen: 60.10 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

Tgt Ion: 43 Resp: 110704
Ion Ratio Lower Upper
43 100
58 33.0 24.4 36.6

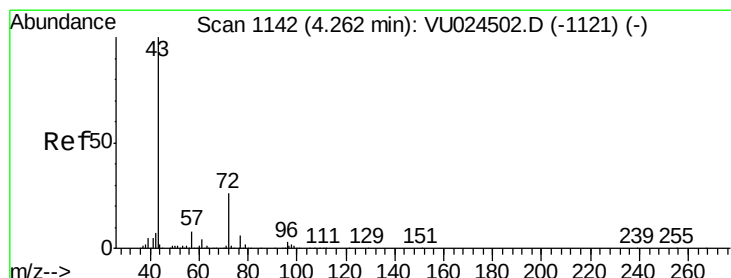
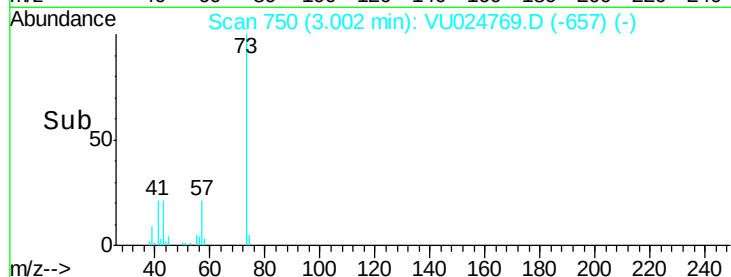
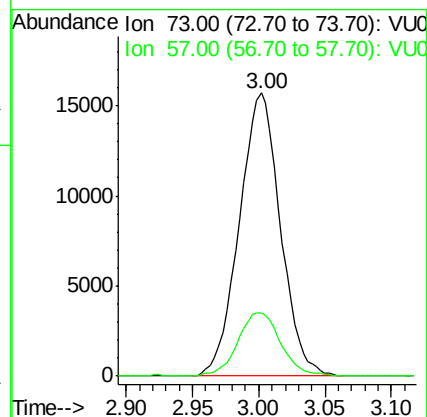
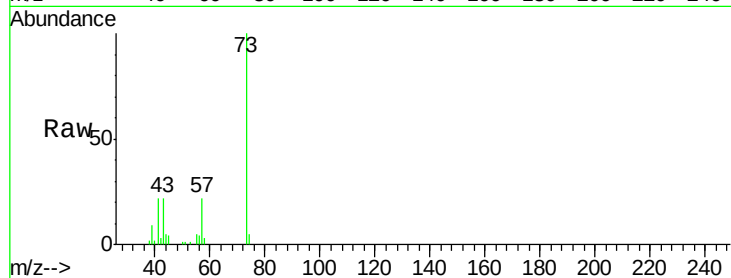




#19
Methyl tert-butyl Ether
Concen: 3.76 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

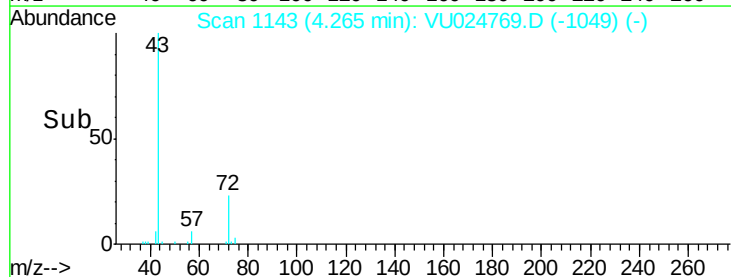
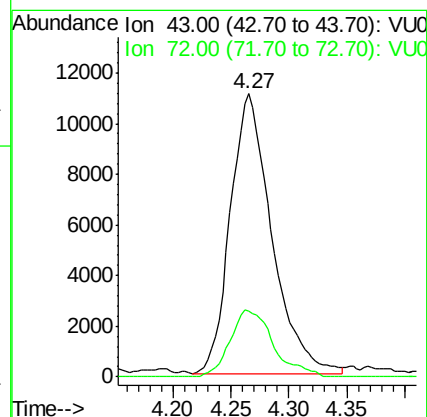
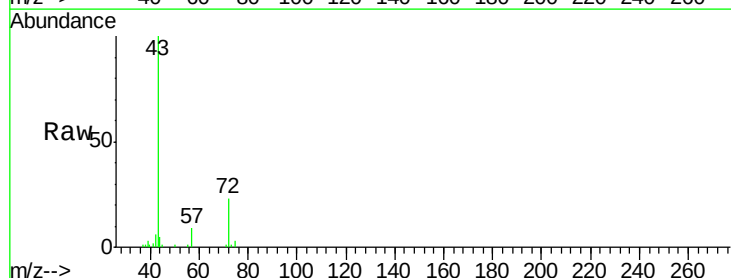
Instrument :
MSVOA_U
ClientSampleId :
TPTW-02

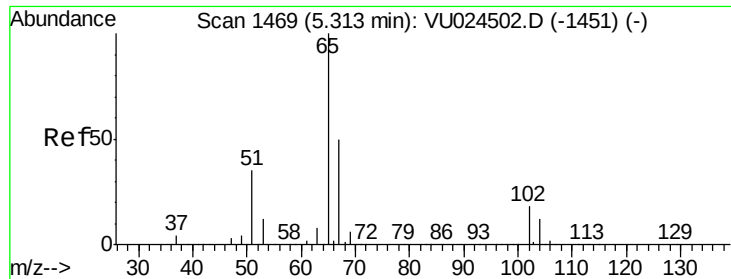
Tot Ion: 73 Resp: 33801
Ion Ratio Lower Upper
73 100
57 22.3 18.8 28.2



#25
2-Butanone
Concen: 11.05 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

Tgt Ion: 43 Resp: 27333
Ion Ratio Lower Upper
43 100
72 23.5 19.6 29.4

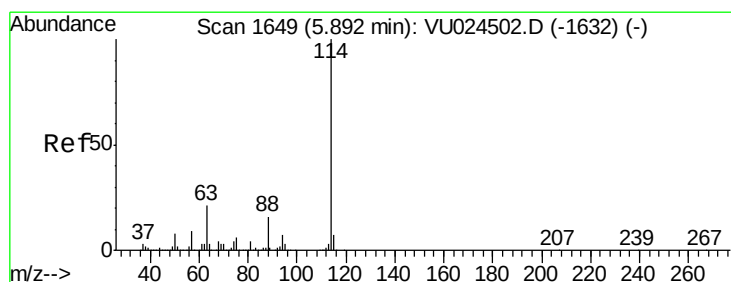
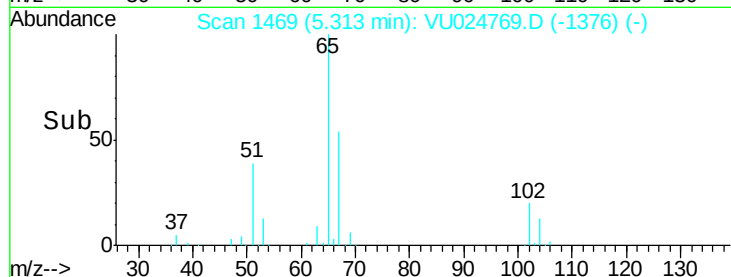
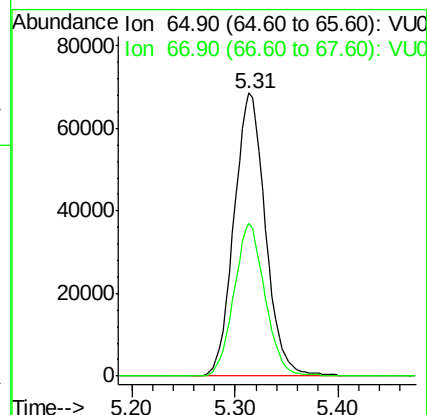
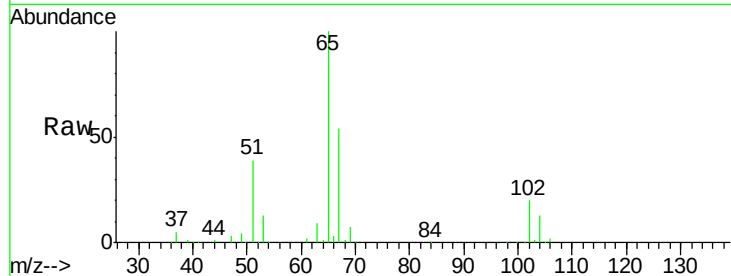




#33
 1,2-Dichloroethane-d4
 Concen: 42.47 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024769.D
 Acq: 20 Jun 2018 19:57

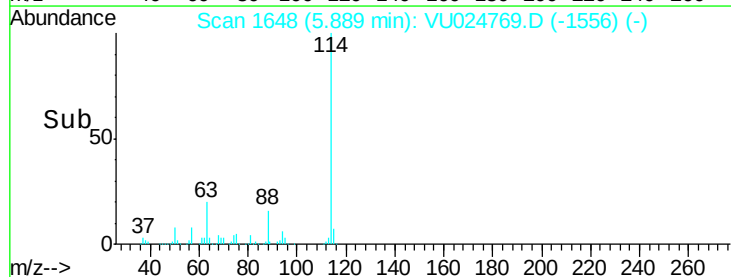
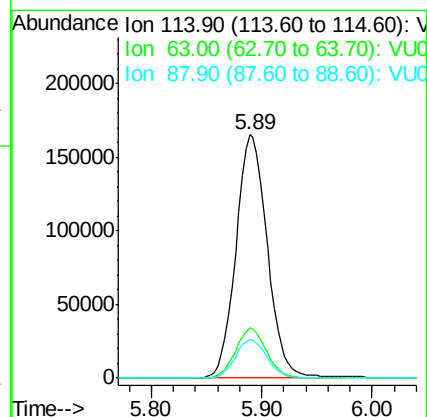
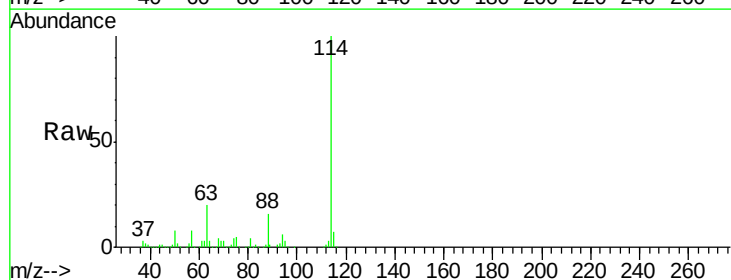
Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-02

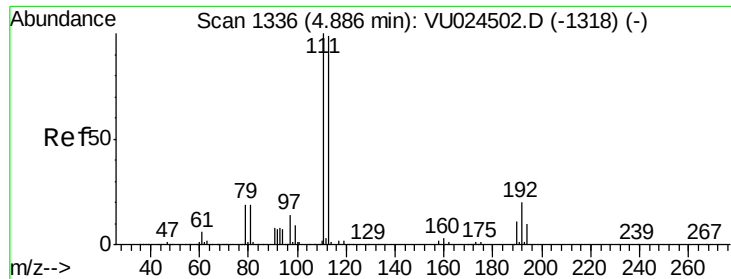
Tot Ion: 65 Resp: 145578
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024769.D
 Acq: 20 Jun 2018 19:57

Tgt Ion: 114 Resp: 326324
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 15.8 0.0 31.0

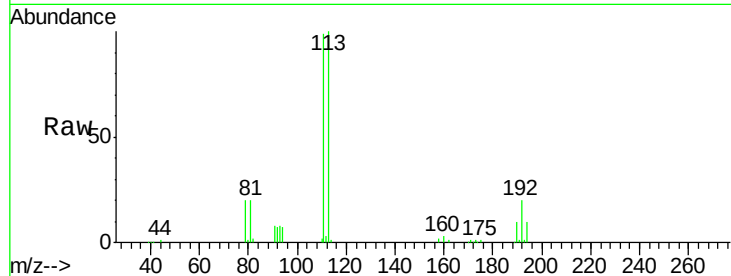




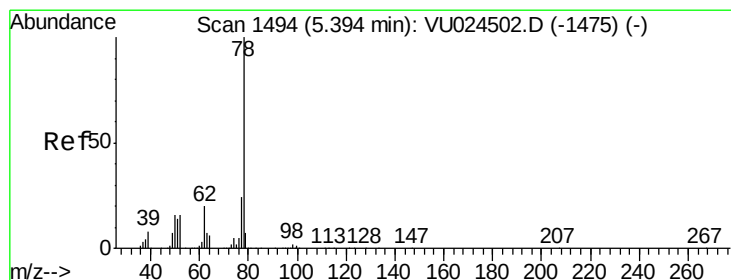
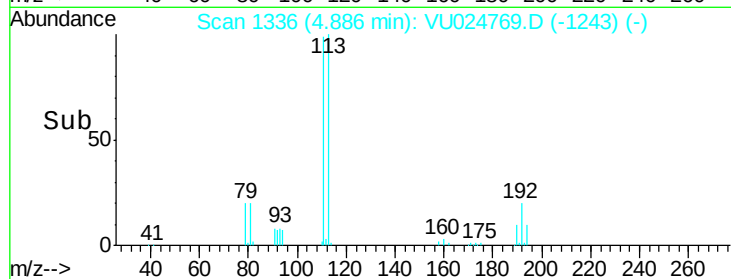
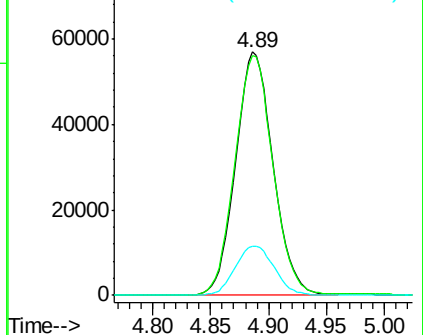
#35
 Dibromofluoromethane
 Concen: 47.19 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024769.D
 Acq: 20 Jun 2018 19:57

Instrument :
 MSVOA_U
 ClientSampleId :
 TPTW-02

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.2	123.4
192	21.1	16.2	24.4

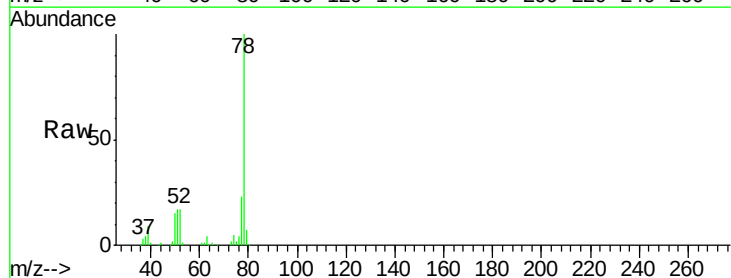


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

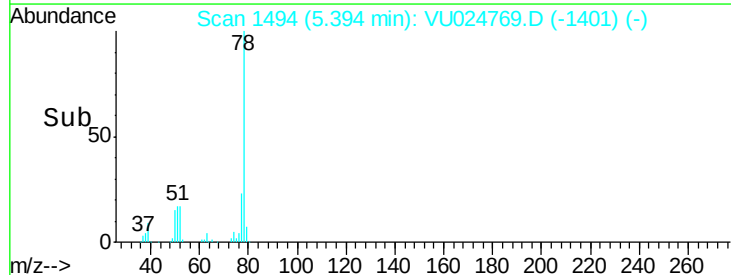
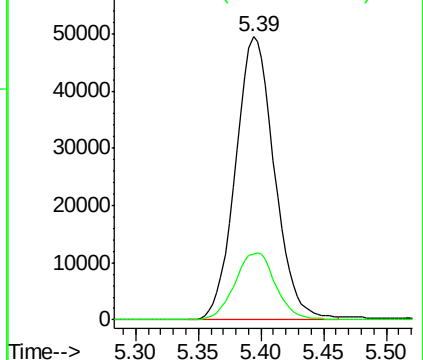


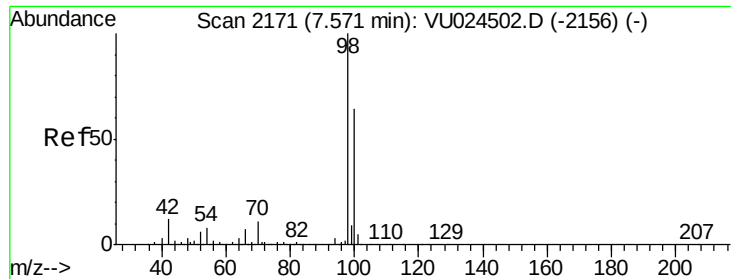
#40
 Benzene
 Concen: 9.75 ug/l
 RT: 5.39 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: VU024769.D
 Acq: 20 Jun 2018 19:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

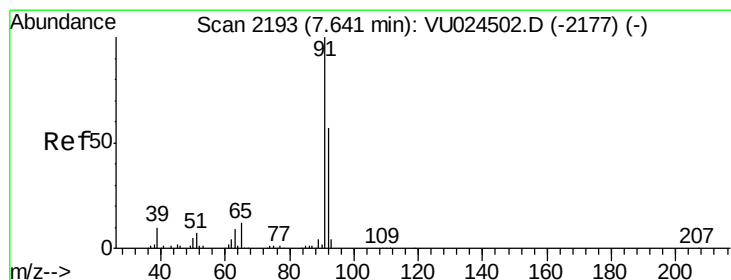
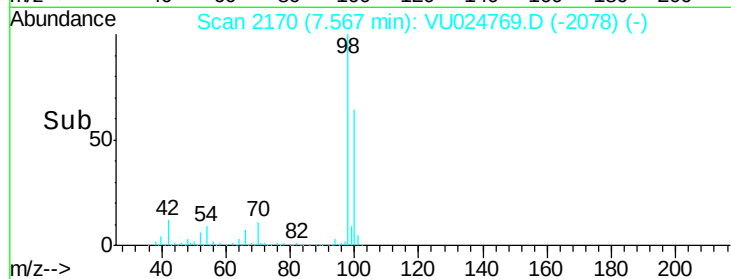
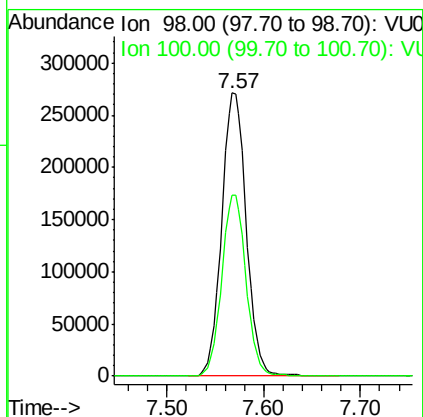
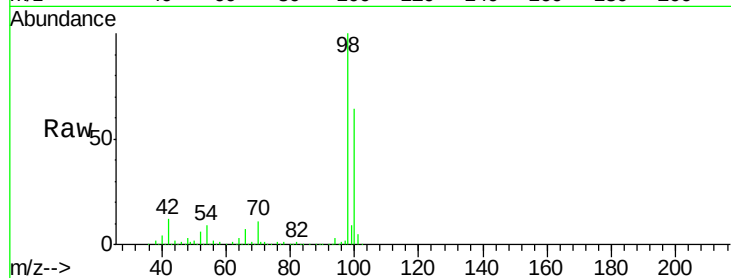




#50
Toluene-d8
Concen: 48.46 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

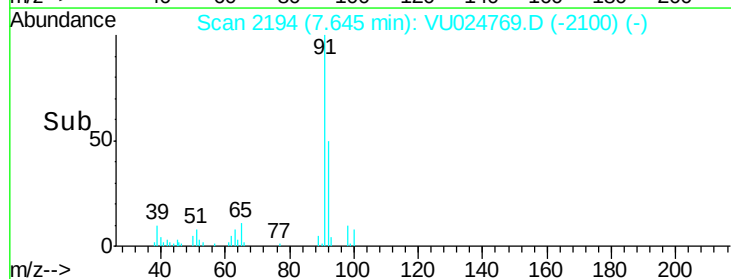
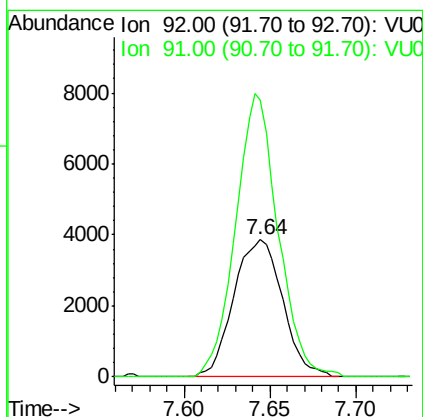
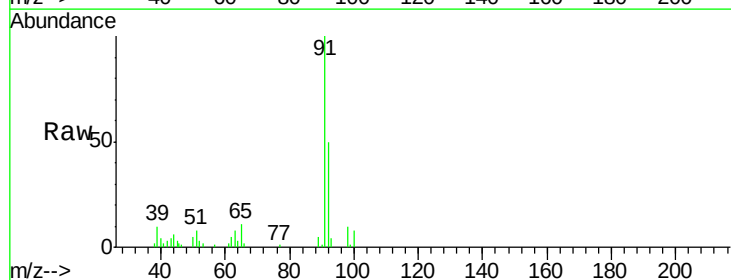
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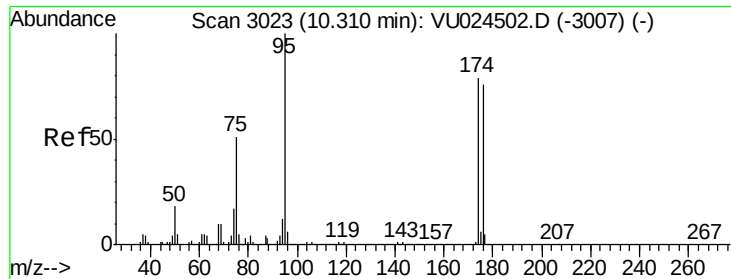
Tot Ion: 98 Resp: 478750
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#52
Toluene
Concen: 1.09 ug/l
RT: 7.64 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

Tgt Ion: 92 Resp: 7671
Ion Ratio Lower Upper
92 100
91 178.6 140.5 210.7

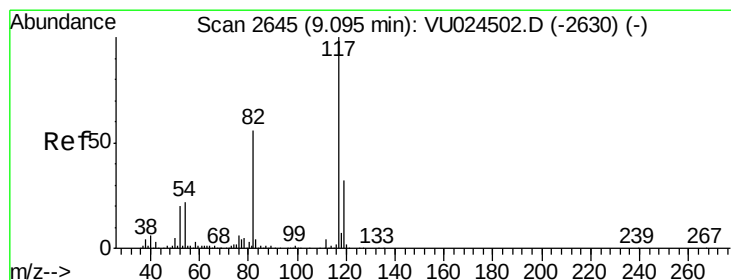
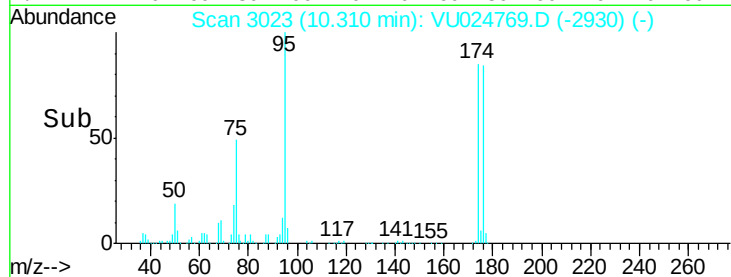
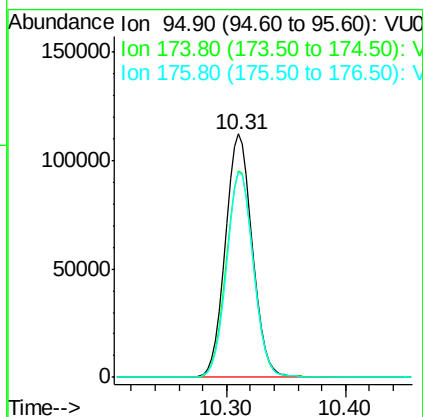
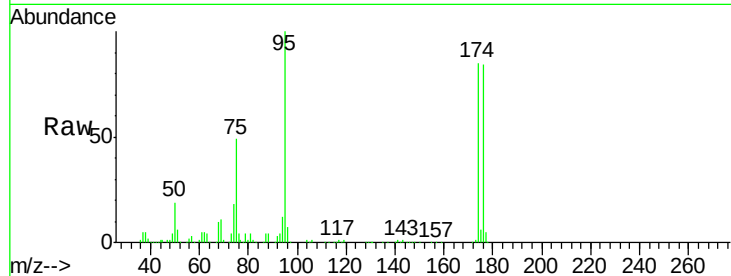




#62
4-Bromofluorobenzene
Concen: 44.93 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

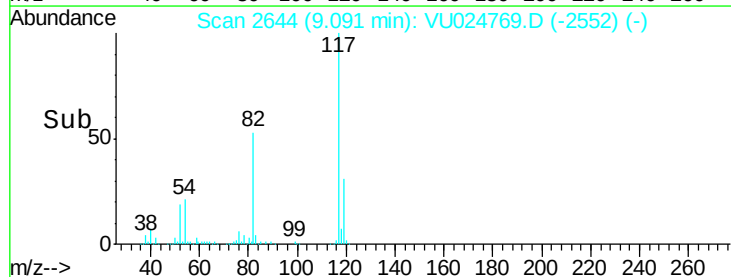
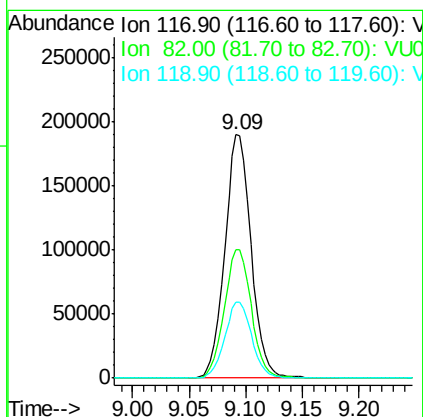
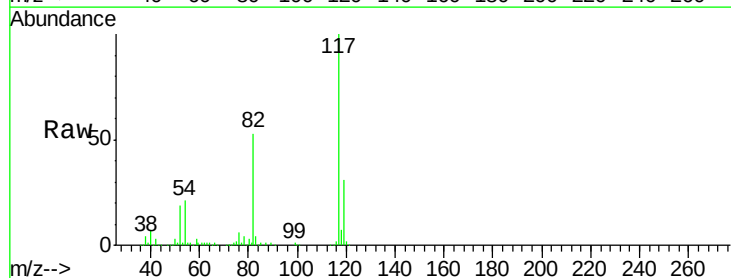
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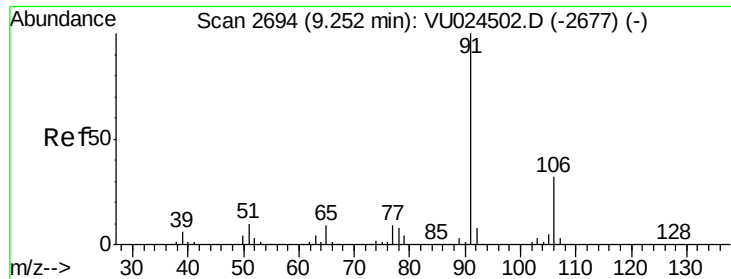
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	165.8
176	84.1	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.0	44.3	66.5
119	31.2	25.4	38.2





#67

Ethyl Benzene

Concen: 9.16 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024769.D

Acq: 20 Jun 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

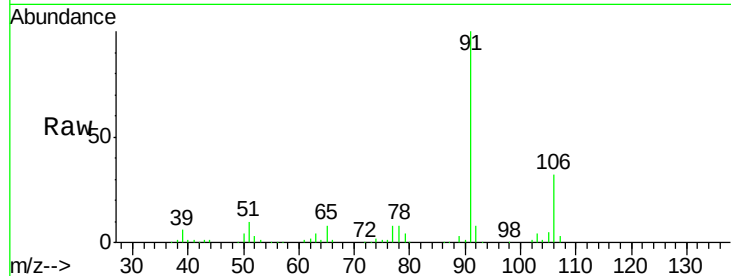
TPTW-02

Tot Ion: 91 Resp: 125732

Ion Ratio Lower Upper

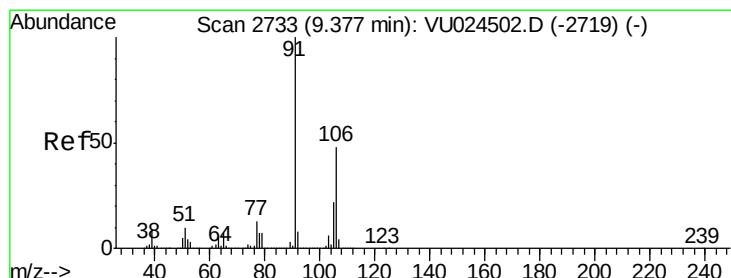
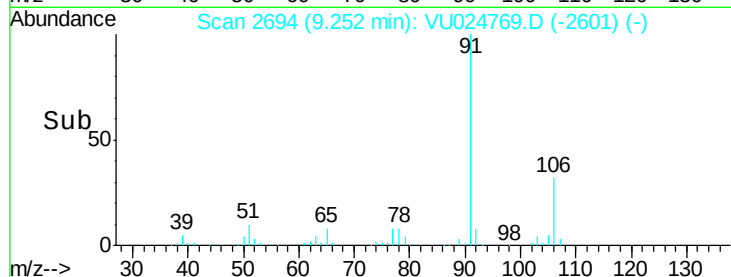
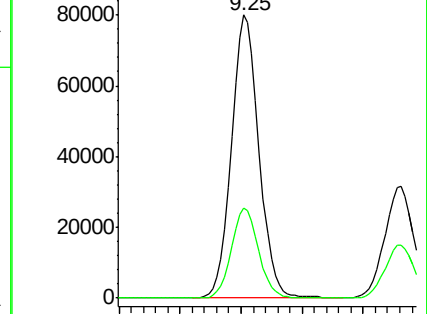
91 100

106 31.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-2677) (-)

Ion 106.00 (105.70 to 106.70): VU024502.D (-2677) (-)



#68

m/p-Xylenes

Concen: 4.75 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU024769.D

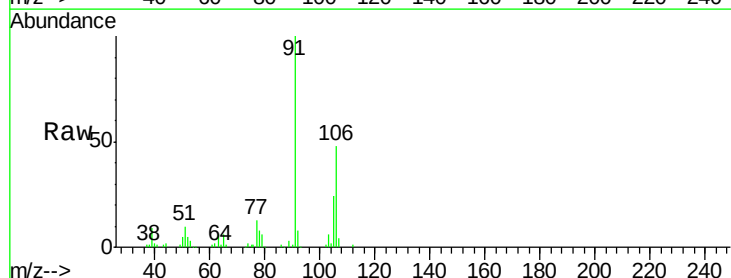
Acq: 20 Jun 2018 19:57

Tgt Ion: 106 Resp: 25036

Ion Ratio Lower Upper

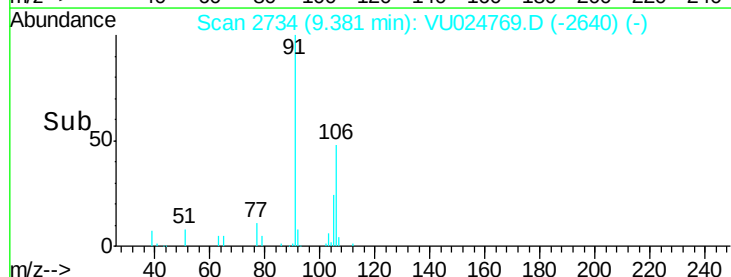
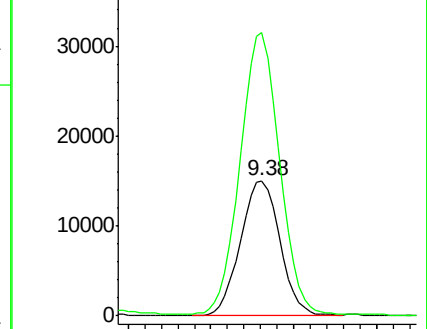
106 100

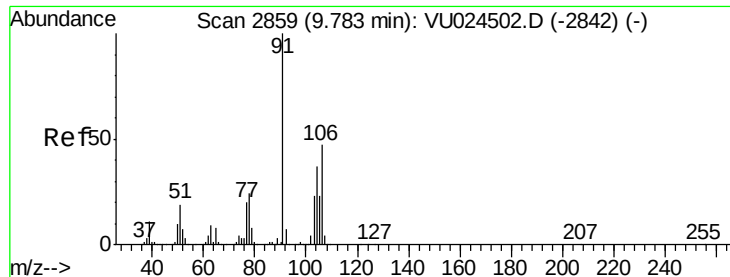
91 211.4 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024502.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2719) (-)

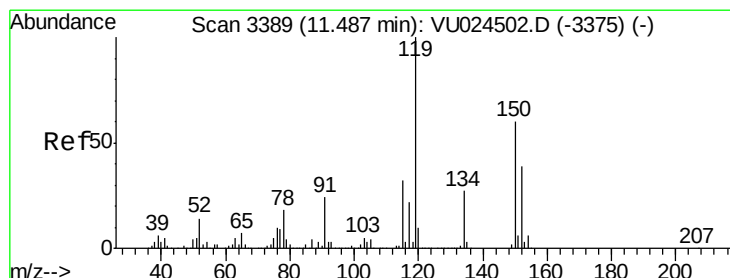
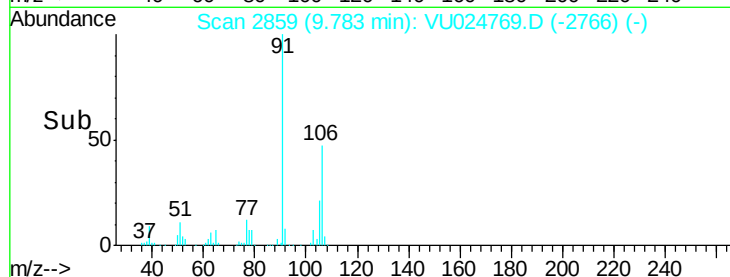
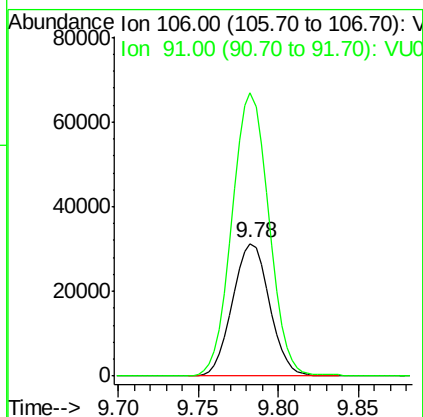
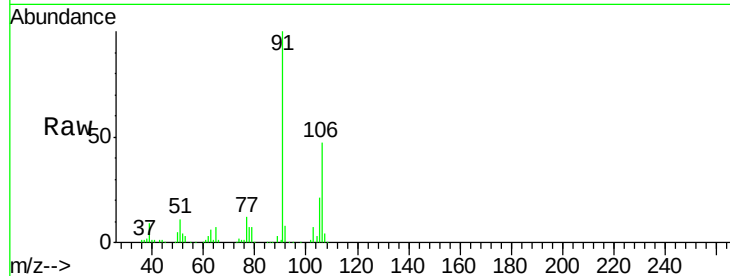




#69
o-Xylene
Concen: 9.47 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

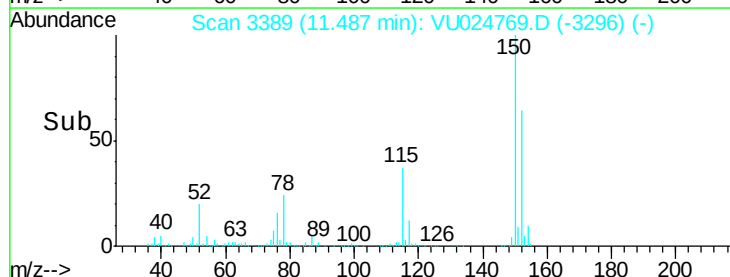
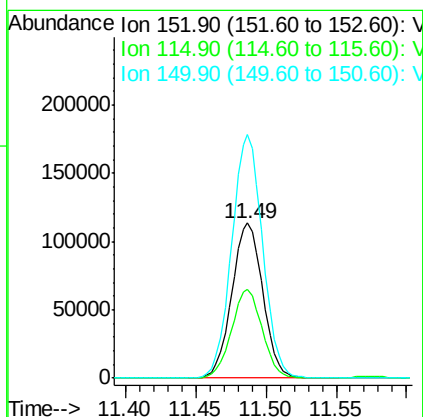
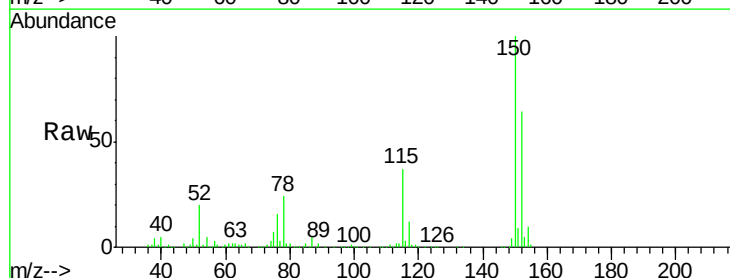
Instrument :
MSVOA_U
ClientSampled :
TPTW-02

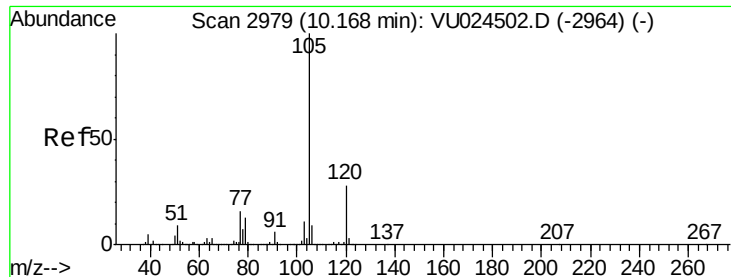
Tot Ion:106 Resp: 49380
Ion Ratio Lower Upper
106 100
91 212.5 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024769.D
Acq: 20 Jun 2018 19:57

Tgt Ion:152 Resp: 175317
Ion Ratio Lower Upper
152 100
115 56.2 43.0 129.0
150 156.1 0.0 354.0





#73

Isopropylbenzene

Concen: 0.87 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024769.D

Acq: 20 Jun 2018 19:57

Instrument :

MSVOA_U

ClientSampleId :

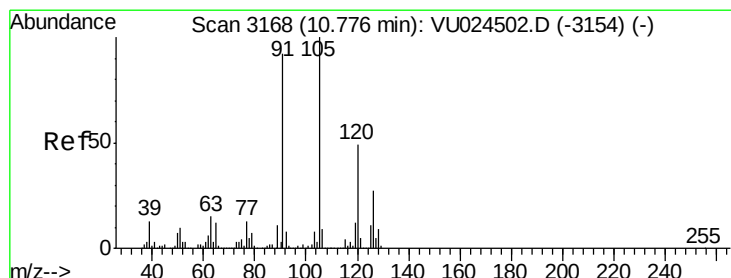
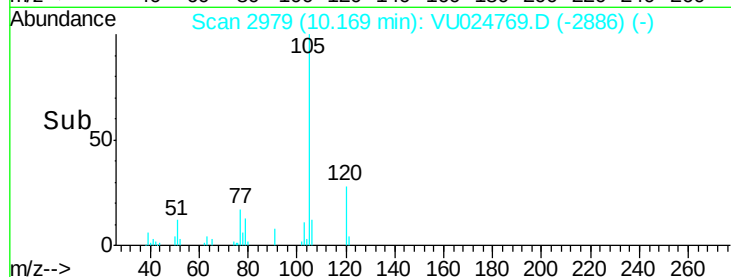
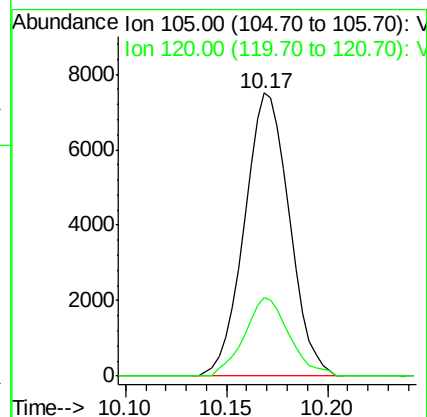
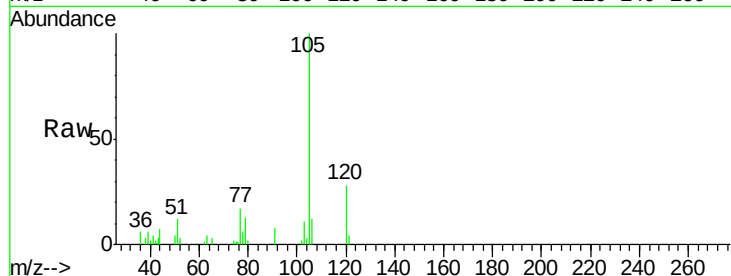
TPTW-02

Tot Ion:105 Resp: 11722

Ion Ratio Lower Upper

105 100

120 27.6 13.2 39.6



#80

1,3,5-Trimethylbenzene

Concen: 1.60 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024769.D

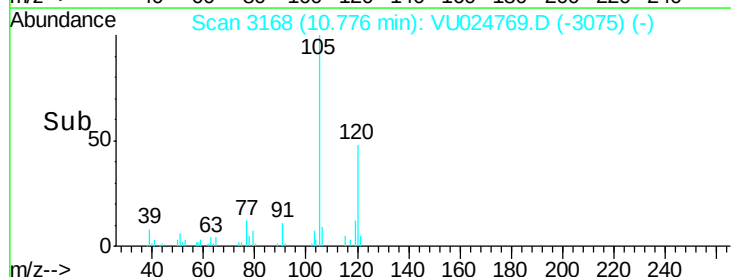
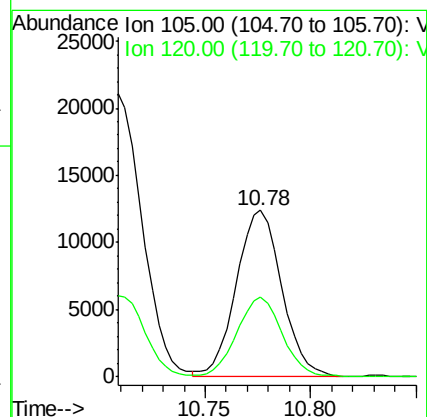
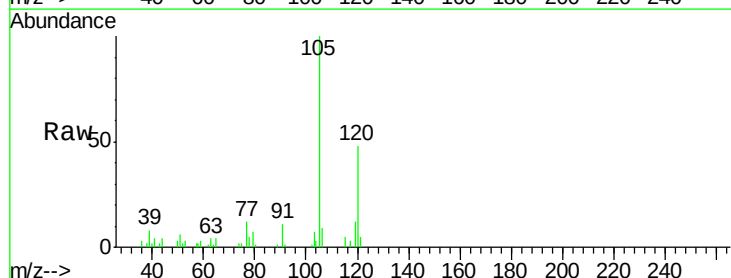
Acq: 20 Jun 2018 19:57

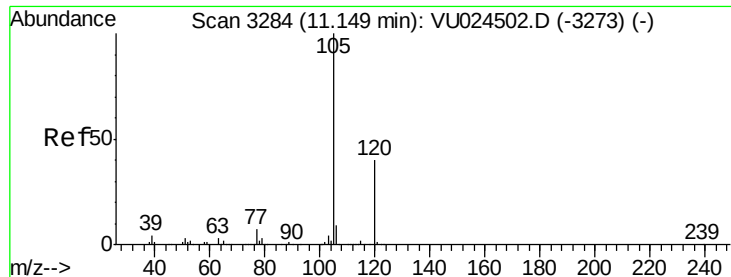
Tgt Ion:105 Resp: 18616

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





#84

1,2,4-Trimethylbenzene

Concen: 5.07 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024769.D

Acq: 20 Jun 2018 19:57

Instrument :

MSVOA_U

ClientSampled :

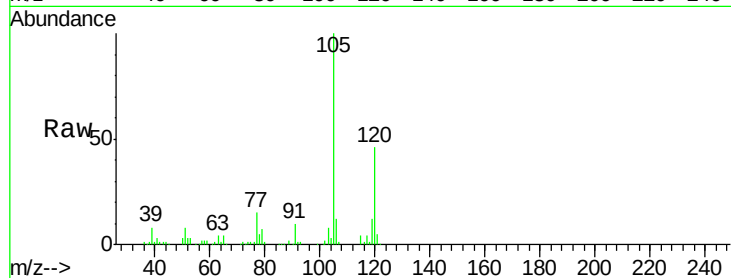
TPTW-02

Tot Ion:105 Resp: 60317

Ion Ratio Lower Upper

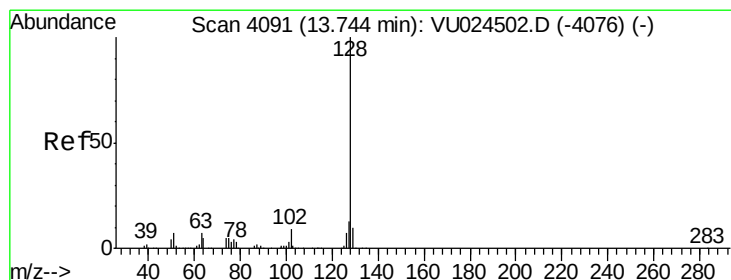
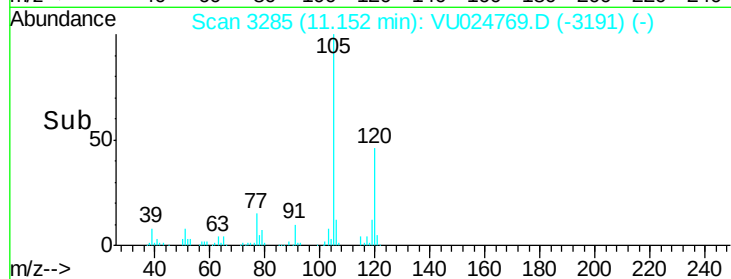
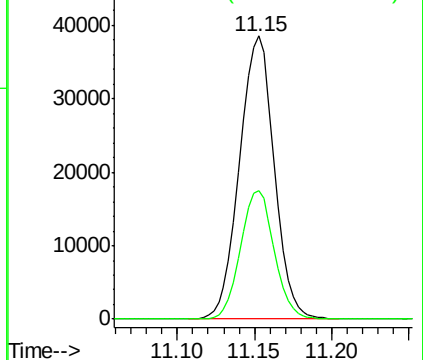
105 100

120 43.9 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: 279.32 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024769.D

Acq: 20 Jun 2018 19:57

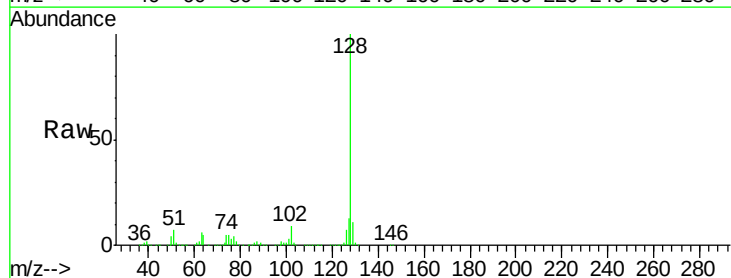
Tgt Ion:128 Resp: 3641431

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.9 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

