

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025055.D
 Acq On : 29 Jun 2018 06:01
 Operator : MD/SY
 Sample : J3670-14ME
 Misc : 4.87g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

Manual Integrations
 APPROVED

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 6/29/2018 4:23:51 PM

Quant Time: Jun 29 08:56:21 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	4.98	168	242927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	371302	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	361355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	226106	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	179120	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	
35) Dibromofluoromethane	4.89	113	138623	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	
50) Toluene-d8	7.57	98	535162	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
62) 4-Bromofluorobenzene	10.32	95	227951	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3073	0.96	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	12153	3.47	ug/l	89
39) Methylcyclohexane	6.41	83	29038	5.33	ug/l	92
40) Benzene	5.39	78	56340	4.53	ug/l	100
52) Toluene	7.64	92	36790	4.60	ug/l	99
65) Chlorobenzene	9.13	112	774272	83.87	ug/l	99
67) Ethyl Benzene	9.26	91	79120	4.89	ug/l	100
68) m/p-Xylenes	9.38	106	81967	13.19	ug/l	99
69) o-Xylene	9.79	106	15621	2.54	ug/l	98
73) Isopropylbenzene	10.17	105	65722	3.79	ug/l	99
78) n-propylbenzene	10.59	91	165328	8.08	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	526728	35.01	ug/l	100
83) tert-Butylbenzene	11.11	119	46700	3.23	ug/l	89
84) 1,2,4-Trimethylbenzene	11.15	105	1345030	87.72	ug/l	100
85) sec-Butylbenzene	11.33	105	127473	7.04	ug/l	98
86) p-Isopropyltoluene	11.48	119	111299	6.86	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	86860m	10.70	ug/l	
88) 1,4-Dichlorobenzene	11.51	146	306930	37.56	ug/l	99
89) n-Butylbenzene	11.89	91	152125	10.56	ug/l #	23
91) 1,2-Dichlorobenzene	11.89	146	432058	53.13	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	6941	1.38	ug/l	93
95) Naphthalene	13.75	128	319103	19.61	ug/l	99

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

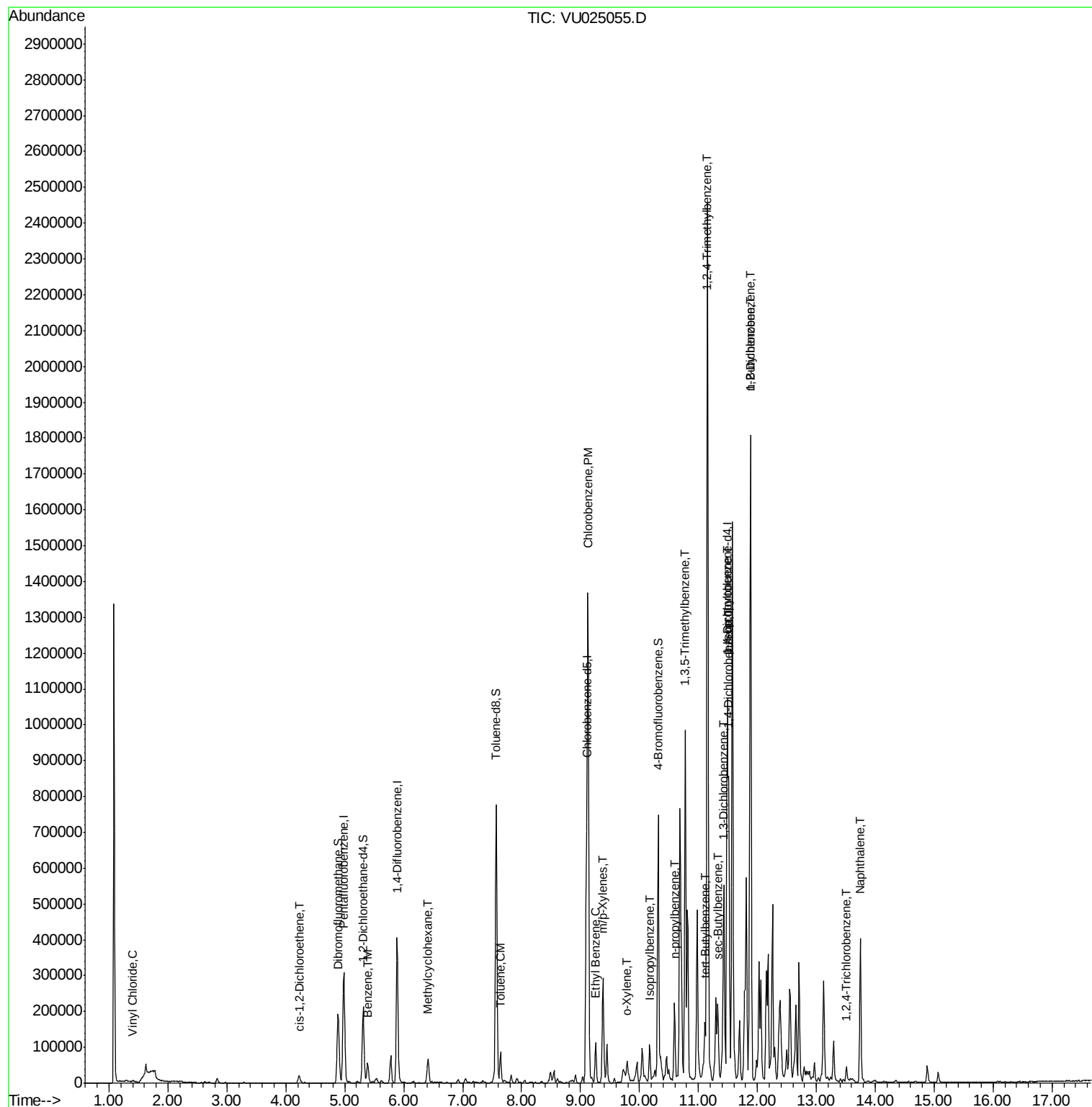
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062818\
Data File : VU025055.D
Acq On : 29 Jun 2018 06:01
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Quant Time: Jun 29 08:56:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion:168 Resp: 242927

Ion Ratio Lower Upper

168 100

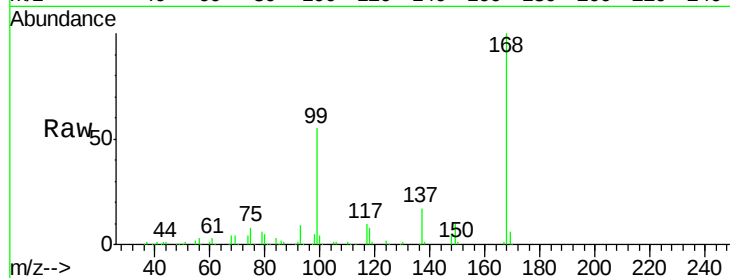
99 55.2 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

120000

100000

80000

60000

40000

20000

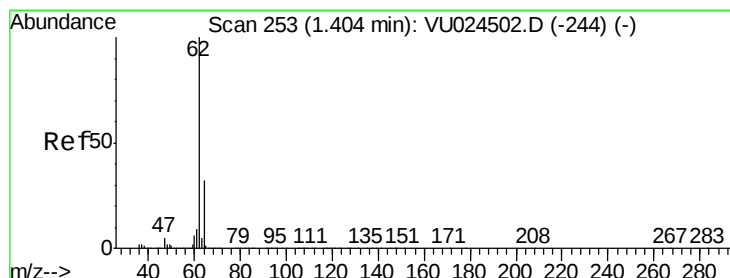
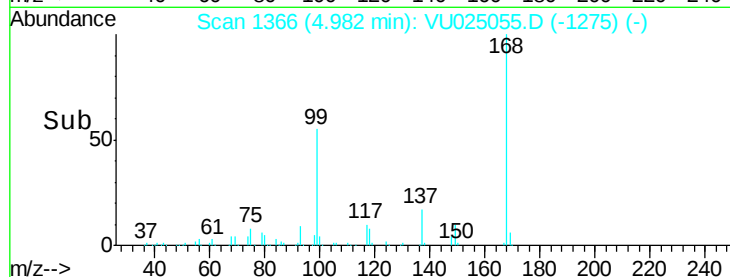
0

4.90

5.00

5.10

Time-->



#4

Vinyl Chloride

Concen: 0.96 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025055.D

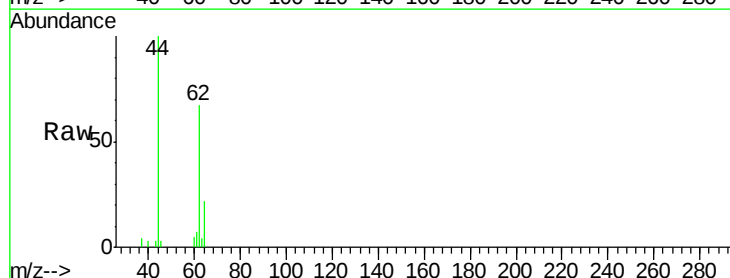
Acq: 29 Jun 2018 06:01

Tgt Ion: 62 Resp: 3073

Ion Ratio Lower Upper

62 100

64 33.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

2500

2000

1500

1000

500

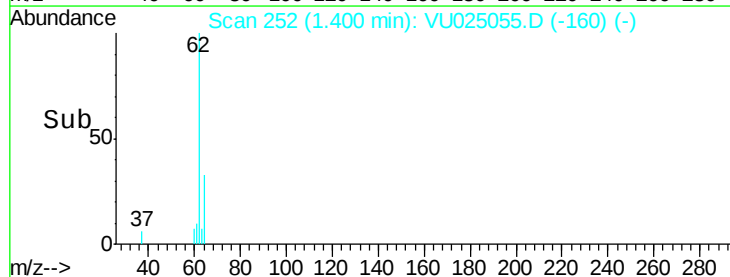
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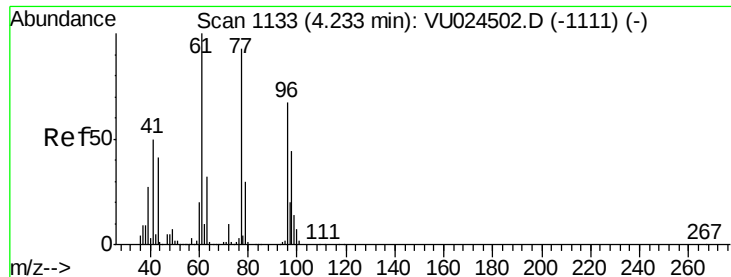
1.35

1.40

1.45

Time-->





#27

cis-1,2-Dichloroethene

Concen: 3.47 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

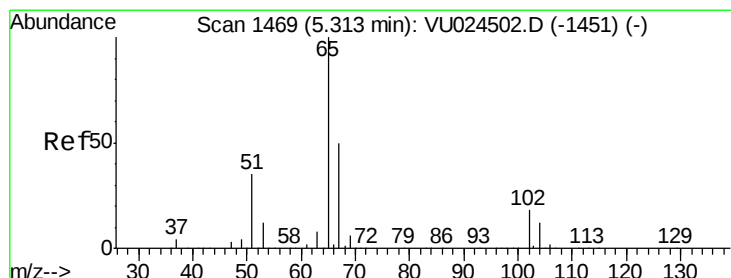
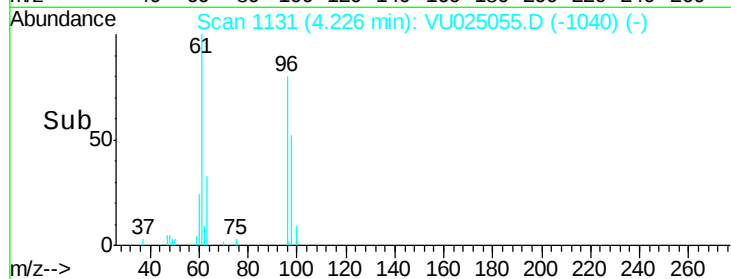
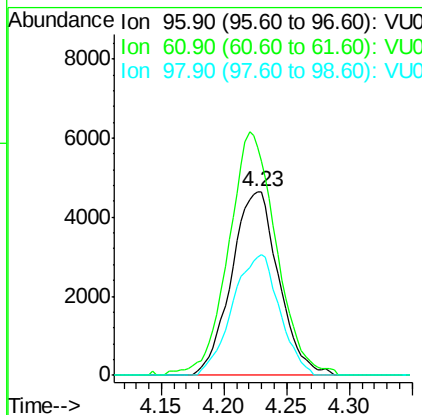
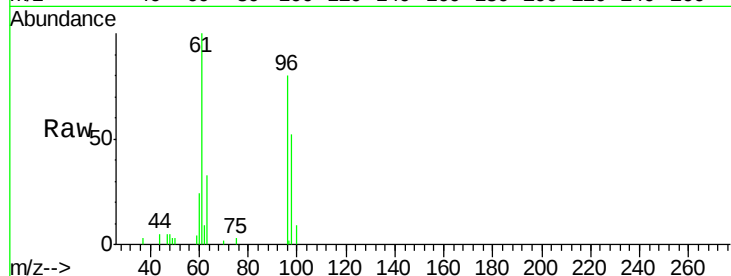
ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion:	96	Resp:	12153
Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	306.6
98	65.4	0.0	128.8

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#33

1,2-Dichloroethane-d4

Concen: 45.17 ug/l

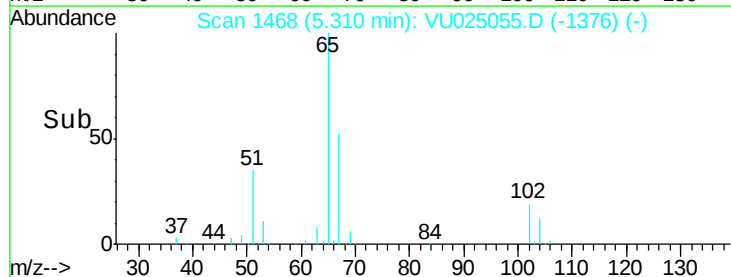
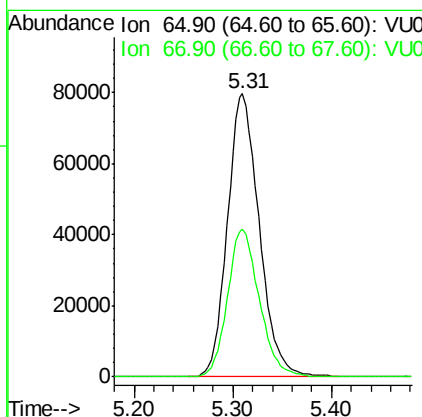
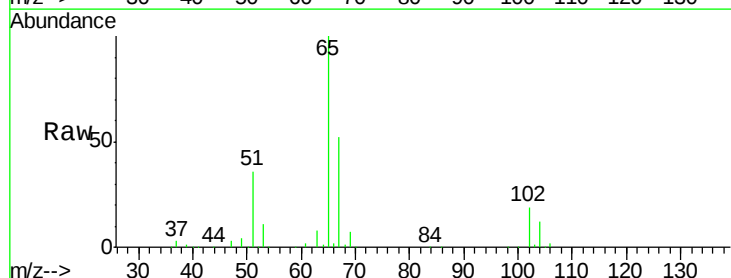
RT: 5.31 min Scan# 1468

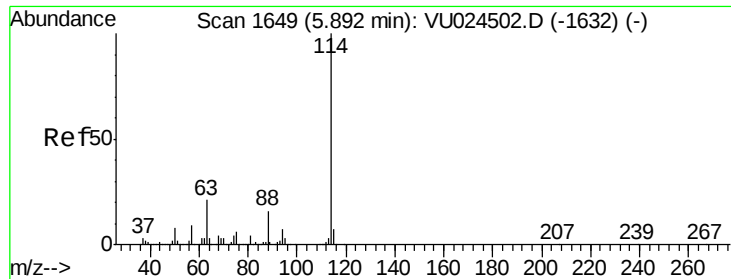
Delta R.T. -0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Tgt Ion:	65	Resp:	179120
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1647

Delta R.T. -0.01 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

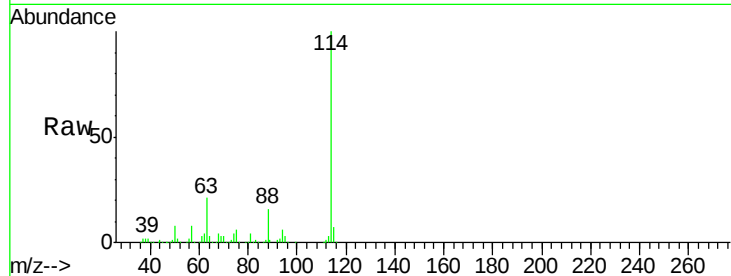
ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion	Ratio	Resp	Lower	Upper
114	100	371302		
63	20.9	0.0	45.4	
88	16.0	0.0	31.0	

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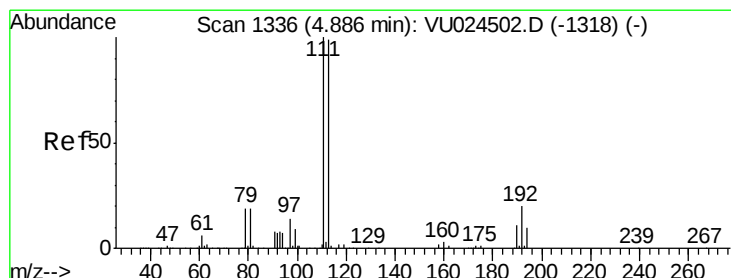
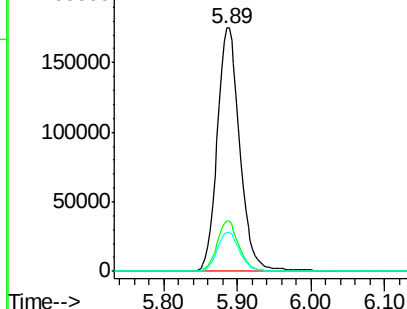
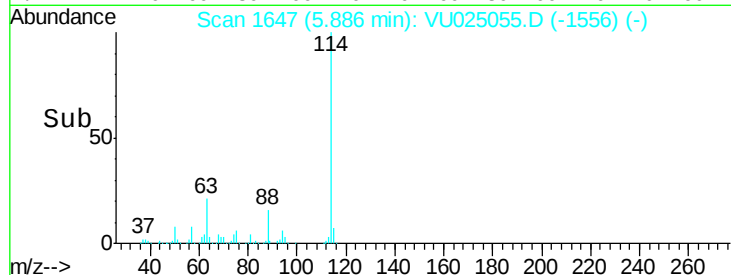
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 44.99 ug/l

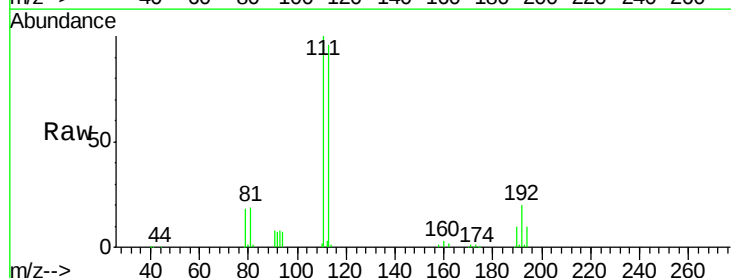
RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

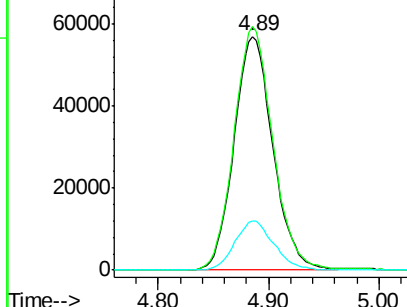
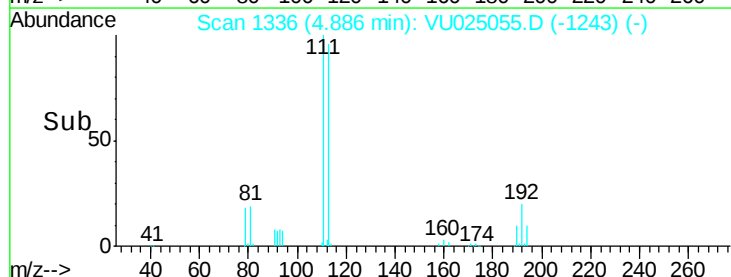
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	138623		
111	104.1	82.2	123.4	
192	21.1	16.2	24.4	

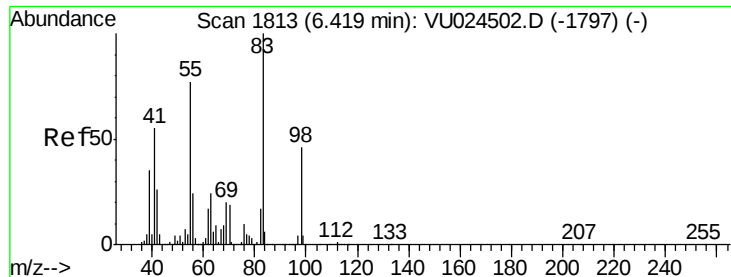


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





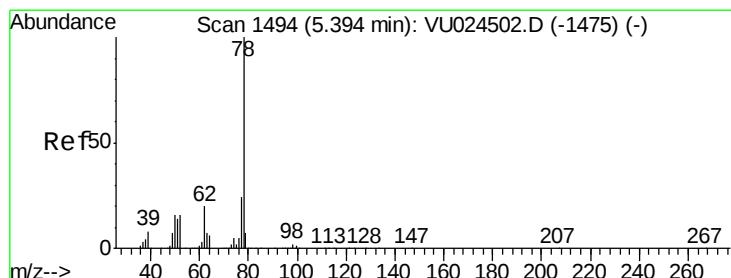
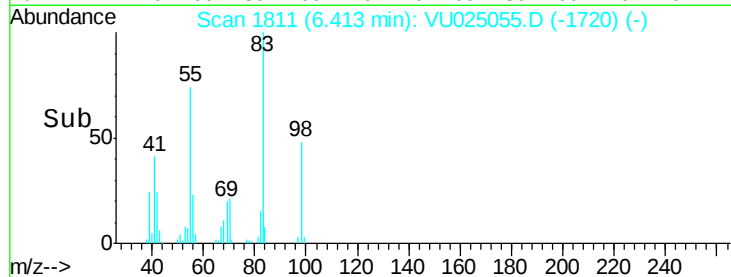
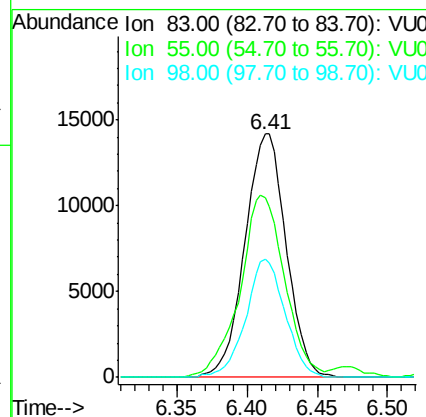
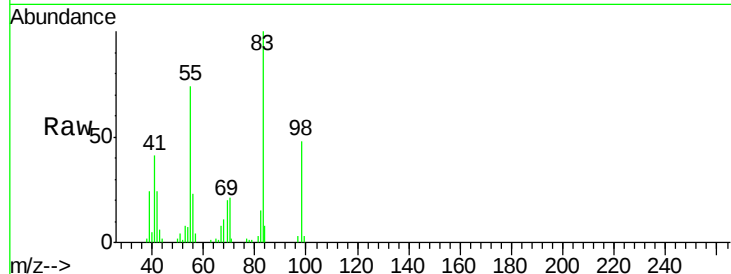
#39
Methvlcvclohexane
Concen: 5.33 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-25-27-180621ME

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	65.8	98.6
98	48.3	36.7	55.1

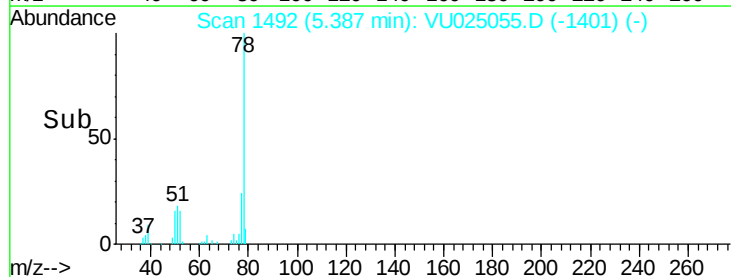
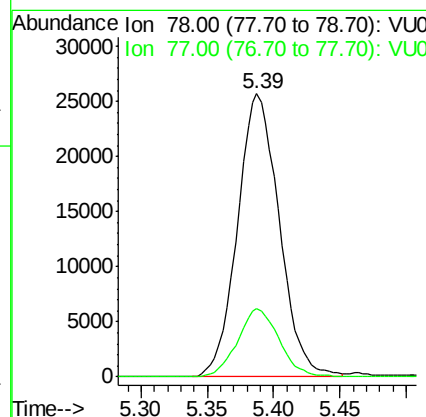
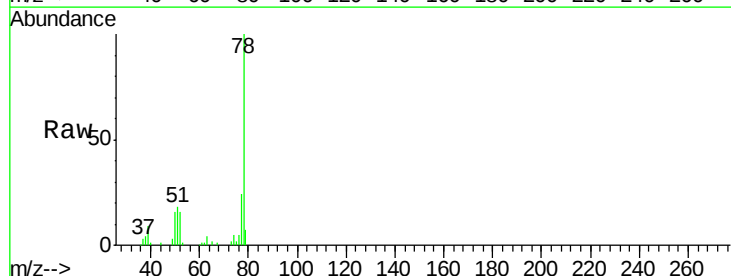
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#40
Benzene
Concen: 4.53 ug/l
RT: 5.39 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#50

Toluene-d8

Concen: 47.61 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion: 98 Resp: 535162

Ion Ratio Lower Upper

98 100

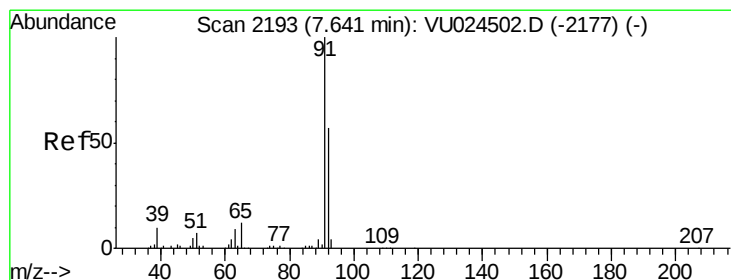
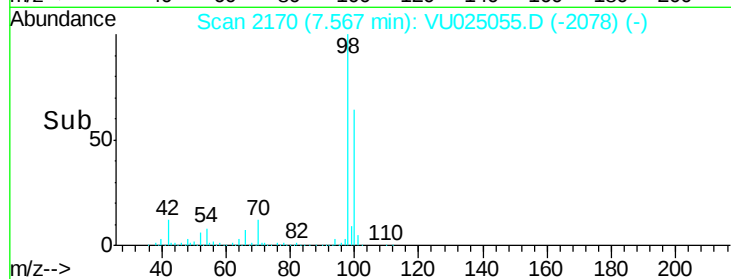
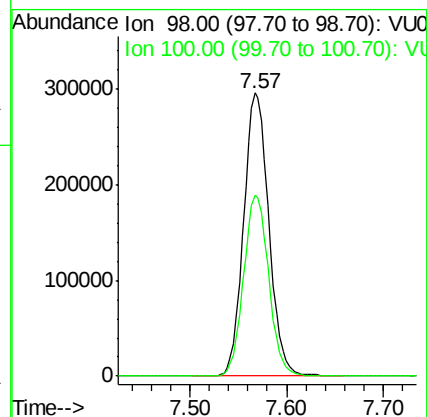
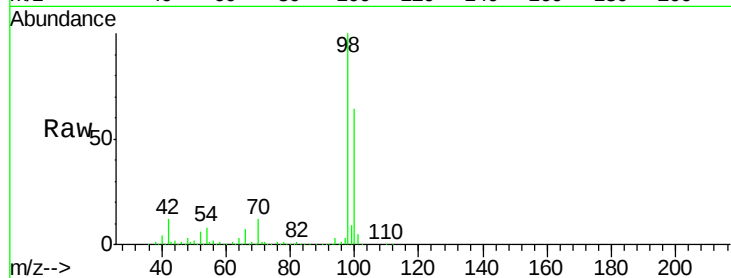
100 63.7 51.1 76.7

Manual Integrations

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#52

Toluene

Concen: 4.60 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025055.D

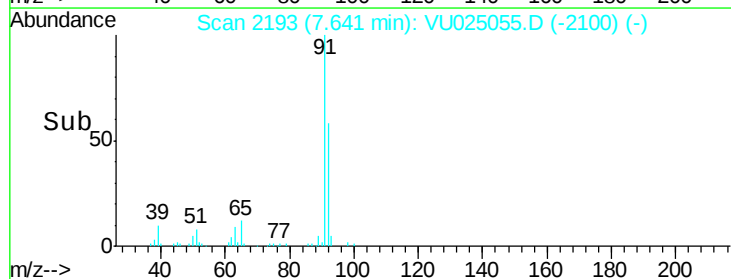
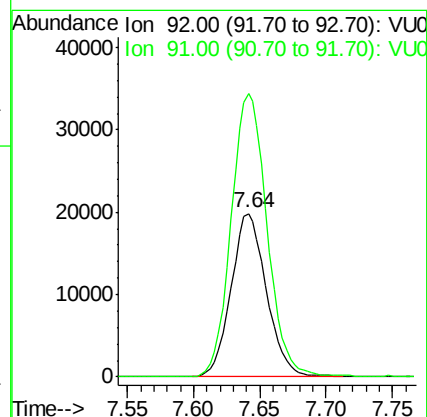
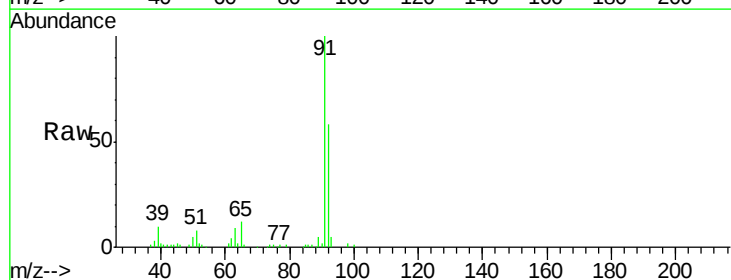
Acq: 29 Jun 2018 06:01

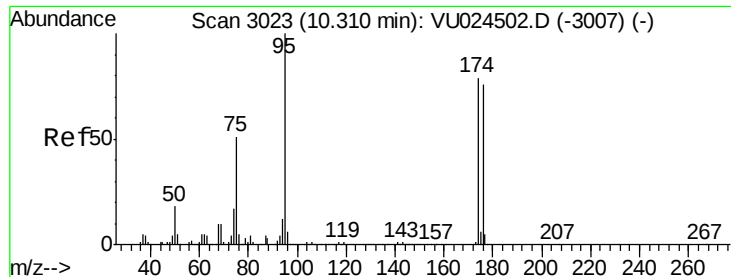
Tgt Ion: 92 Resp: 36790

Ion Ratio Lower Upper

92 100

91 174.9 140.5 210.7





#62

4-Bromofluorobenzene

Concen: 51.08 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

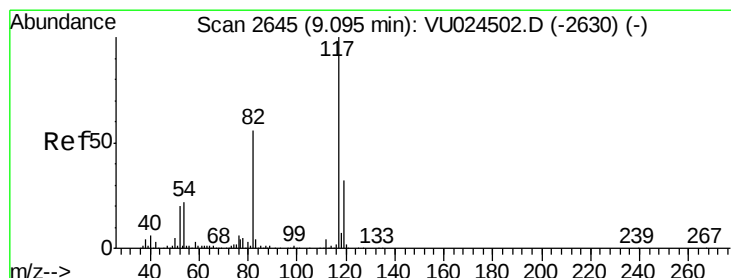
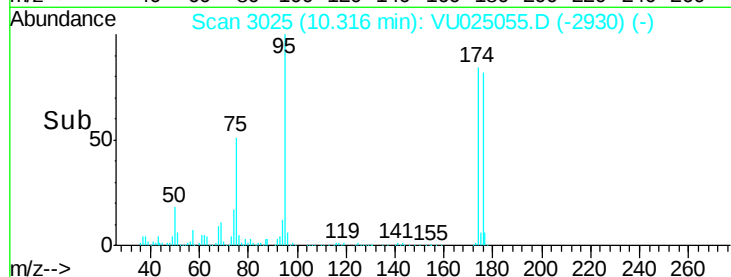
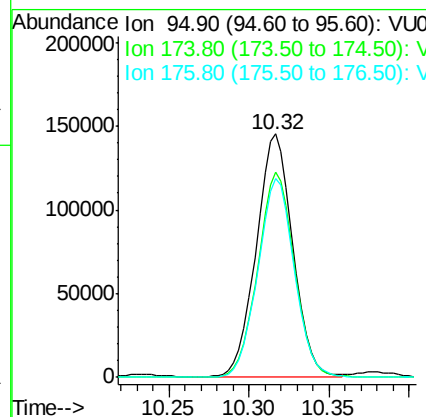
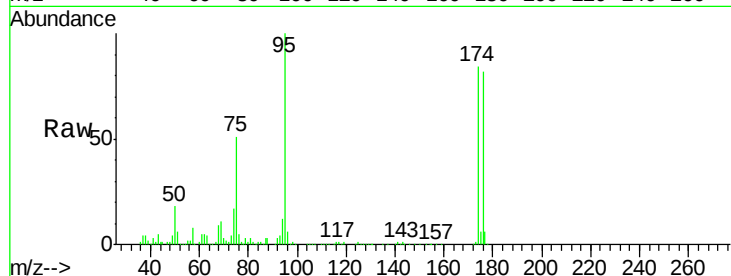
ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion	Ratio	Resp	Lower	Upper
95	100	227951		
174	84.8	0.0	165.8	
176	82.2	0.0	159.4	

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

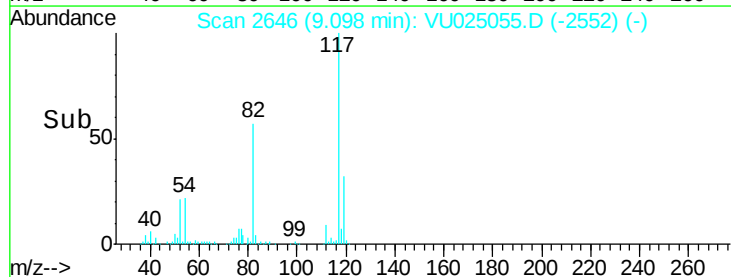
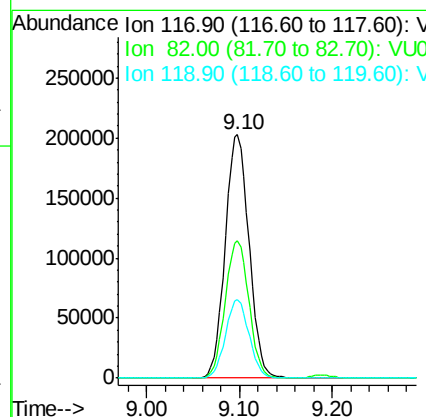
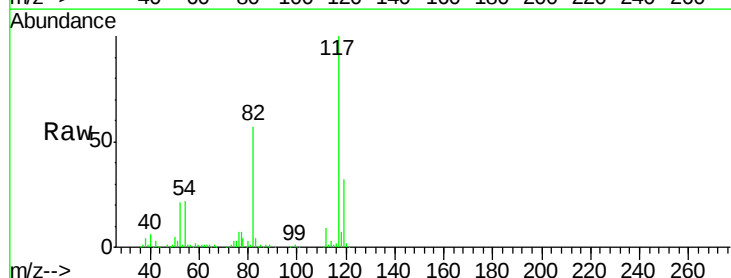
RT: 9.10 min Scan# 2646

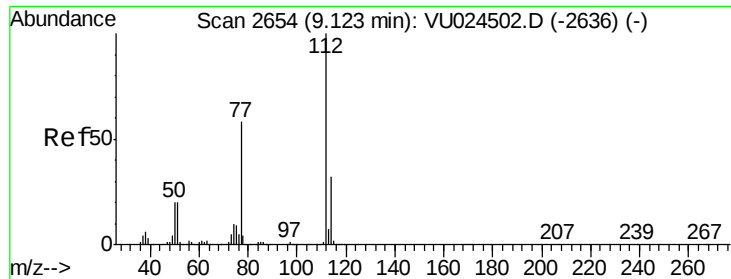
Delta R.T. 0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	361355		
82	56.6	44.3	66.5	
119	32.1	25.4	38.2	





#65

Chlorobenzene

Concen: 83.87 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion:112 Resp: 774272

Ion Ratio Lower Upper

112 100

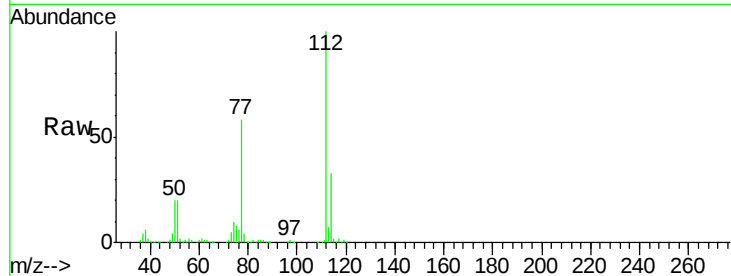
114 32.8 25.6 38.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.13

400000

300000

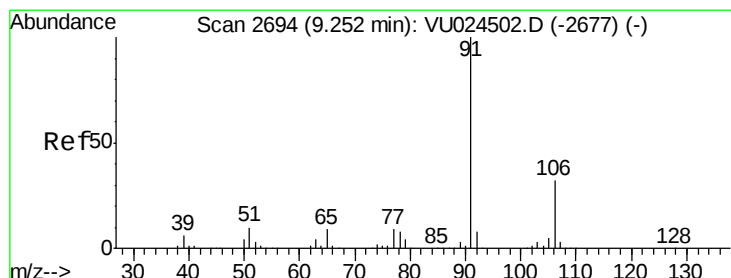
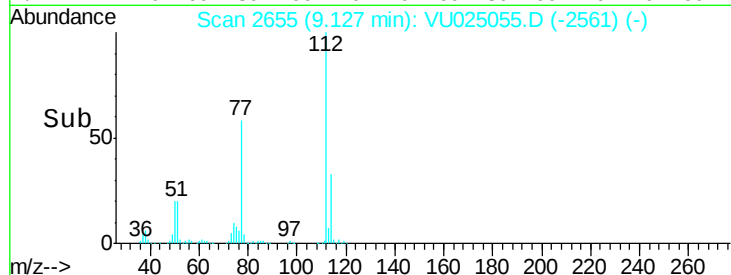
200000

100000

0

Time-->

9.00 9.10 9.20 9.30



#67

Ethyl Benzene

Concen: 4.89 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025055.D

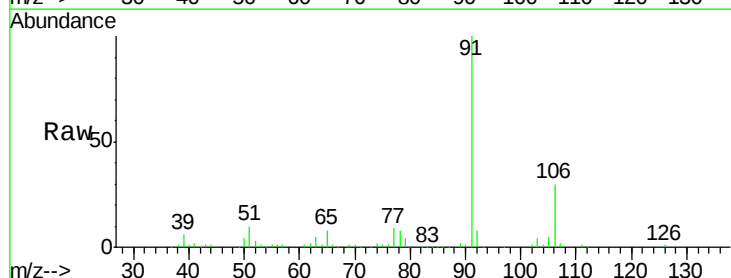
Acq: 29 Jun 2018 06:01

Tgt Ion: 91 Resp: 79120

Ion Ratio Lower Upper

91 100

106 30.4 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

9.26

100000

80000

60000

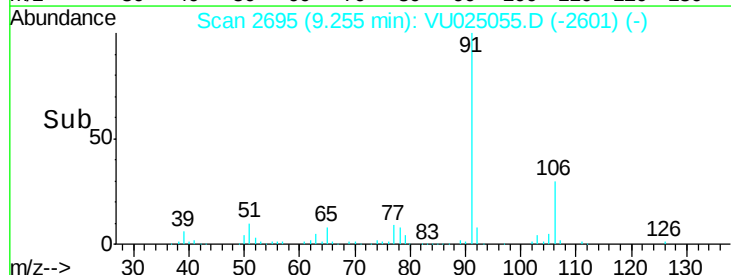
40000

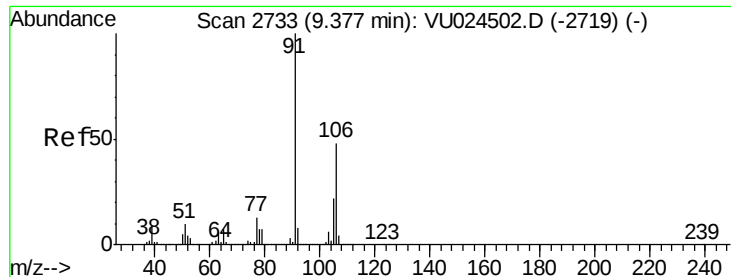
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0

Time-->

9.20 9.25 9.30 9.35





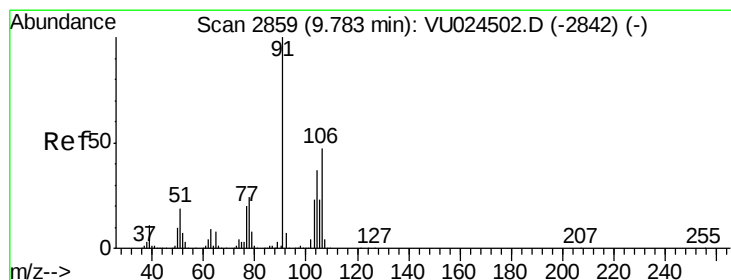
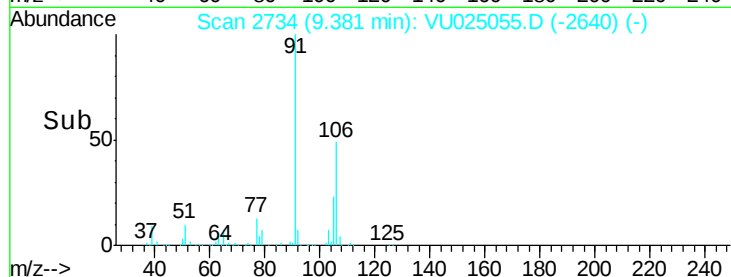
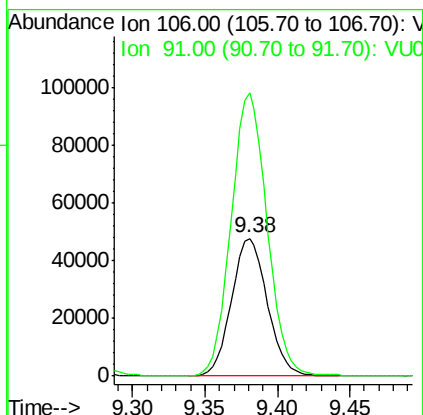
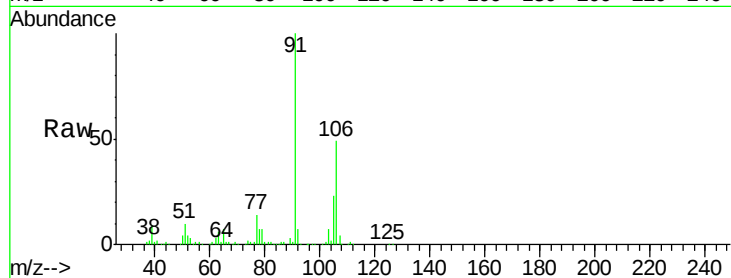
#68
m/p-Xylenes
Concen: 13.19 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-25-27-180621ME

Tot Ion:106 Resp: 81967
Ion Ratio Lower Upper
106 100
91 206.2 166.5 249.7

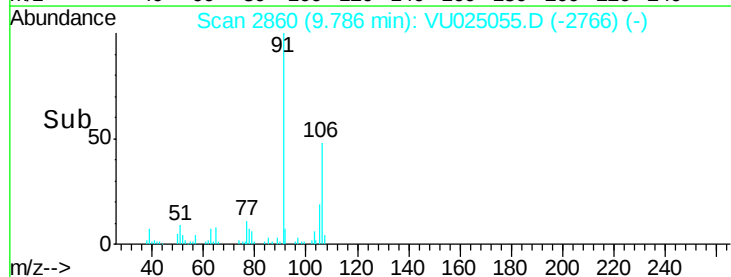
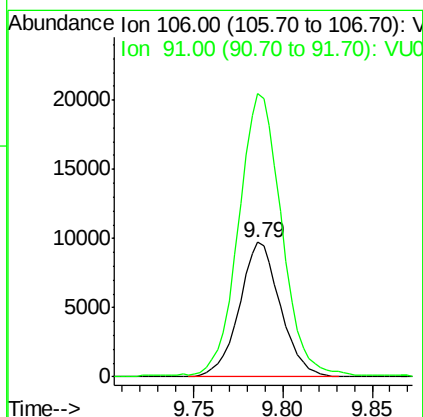
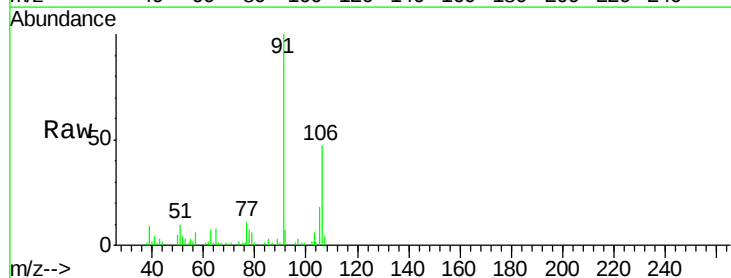
Manual Integrations
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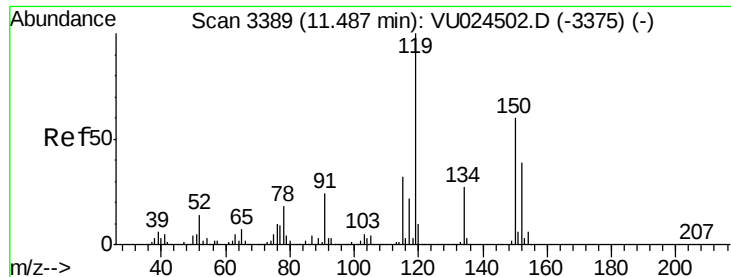
MMDadoda
6/29/2018 4:23:51 PM



#69
o-Xylene
Concen: 2.54 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Tgt Ion:106 Resp: 15621
Ion Ratio Lower Upper
106 100
91 217.9 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion:152 Resp: 226106

Ion Ratio Lower Upper

152 100

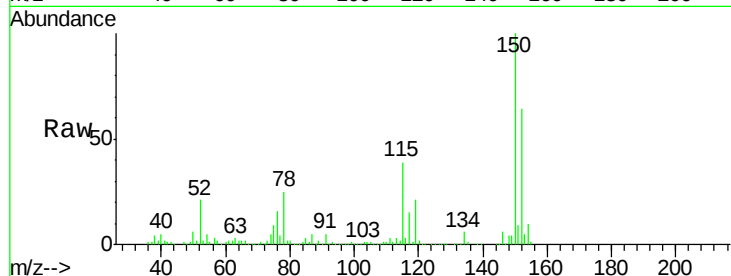
115 61.4 43.0 129.0

150 168.9 0.0 354.0

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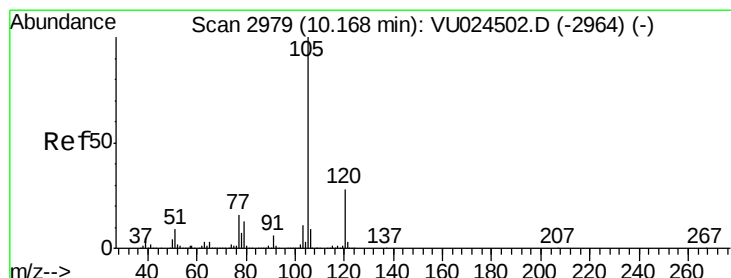
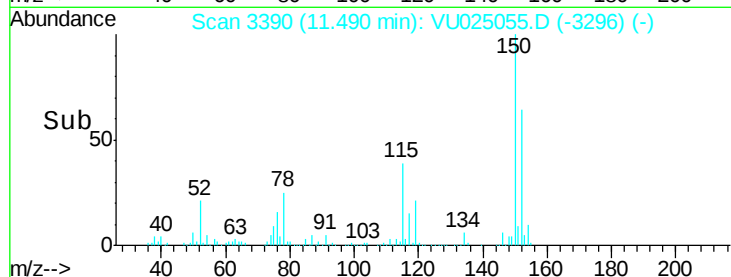
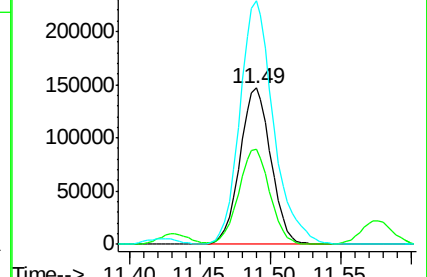
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.79 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025055.D

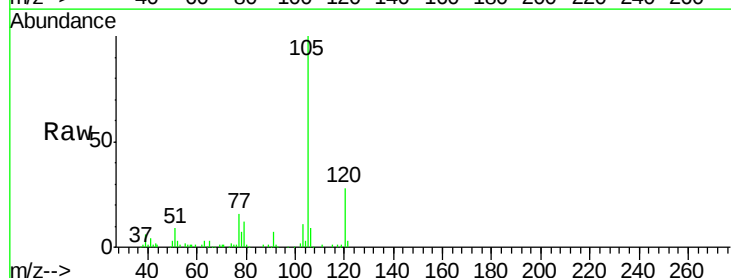
Acq: 29 Jun 2018 06:01

Tgt Ion:105 Resp: 65722

Ion Ratio Lower Upper

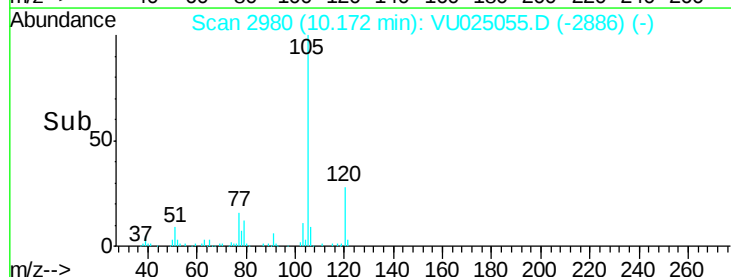
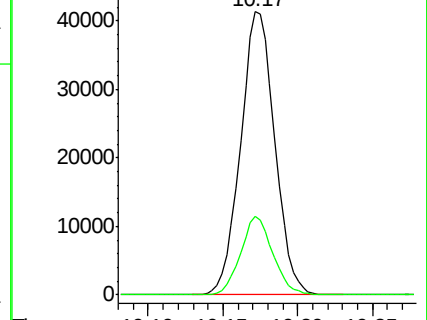
105 100

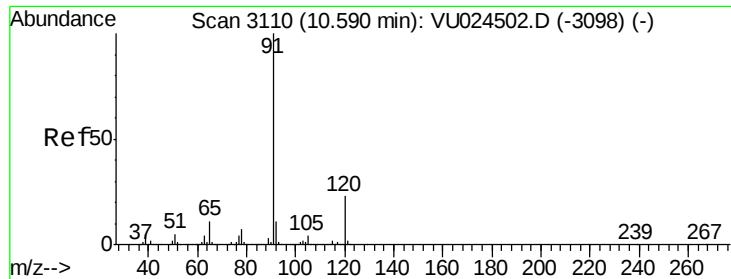
120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.08 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025055.D

Acq: 29 Jun 2018 06:01

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-25-27-180621ME

Tot Ion: 91 Resp: 165328

Ion Ratio Lower Upper

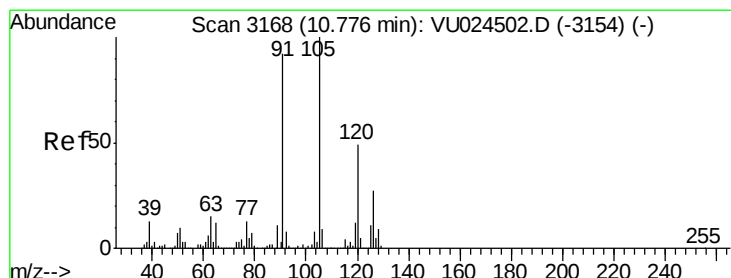
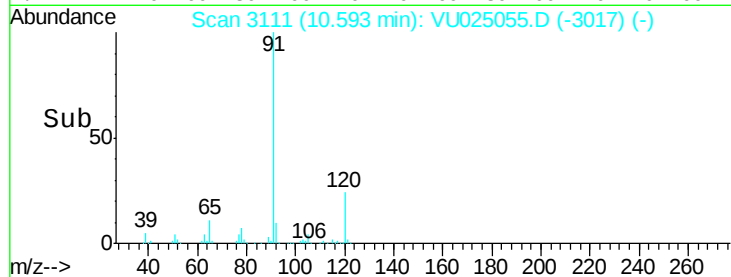
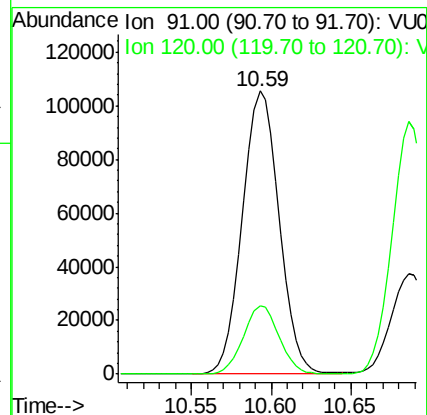
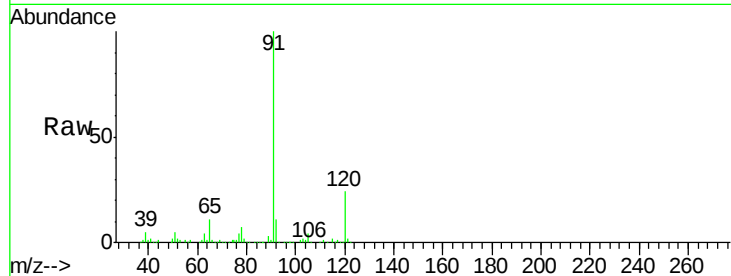
91 100

120 23.4 11.2 33.5

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#80

1,3,5-Trimethylbenzene

Concen: 35.01 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025055.D

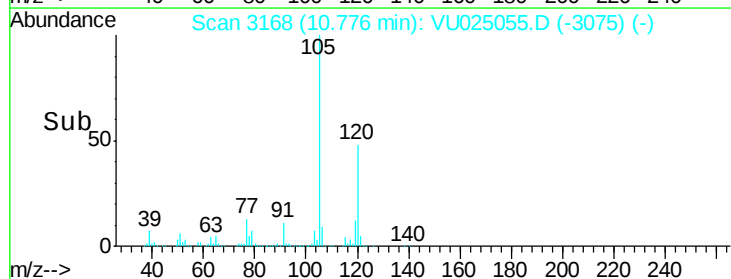
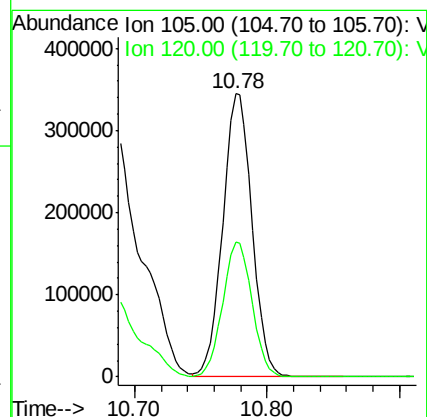
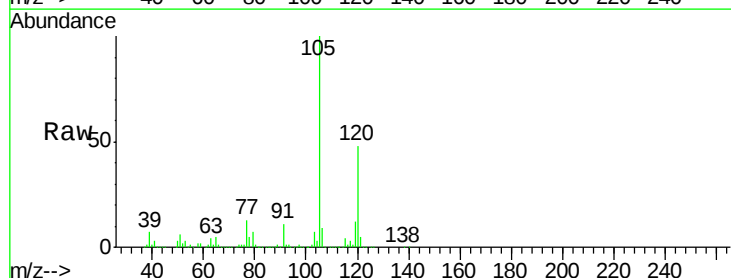
Acq: 29 Jun 2018 06:01

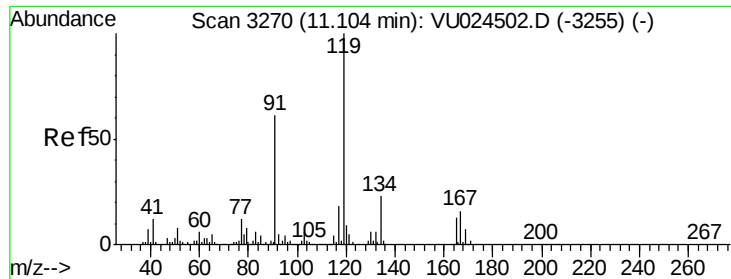
Tgt Ion: 105 Resp: 526728

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





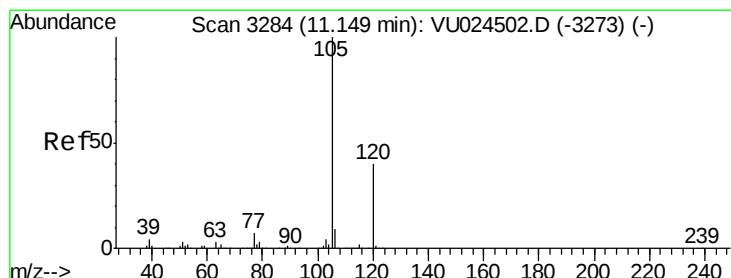
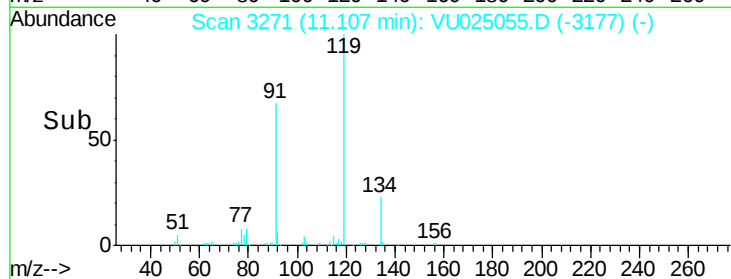
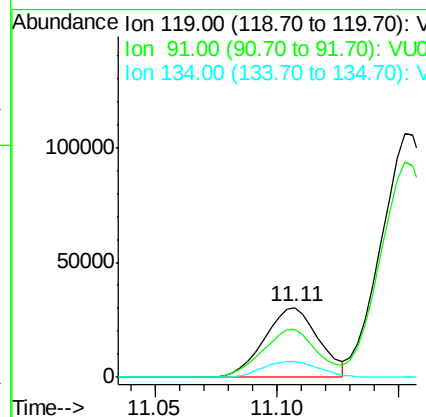
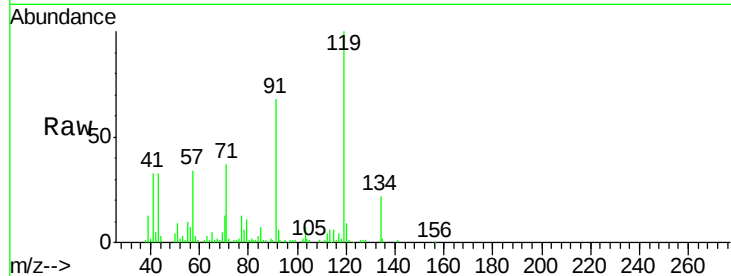
#83
tert-Butylbenzene
Concen: 3.23 ug/l
RT: 11.11 min Scan# 3271
Delta R.T. 0.00 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-25-27-180621ME

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.5	29.7	89.1
134	24.0	11.6	34.7

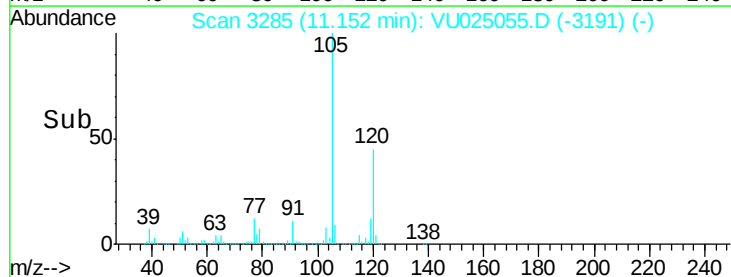
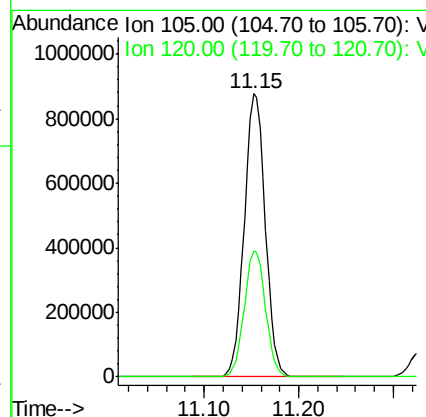
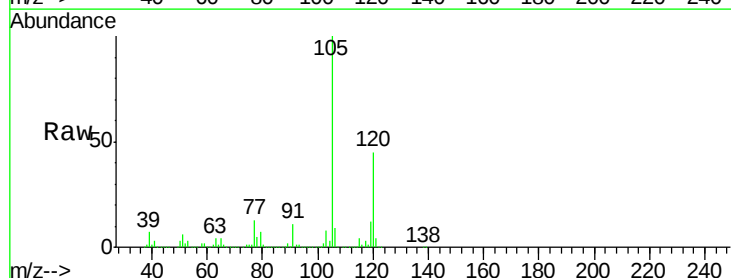
Manual Integrations
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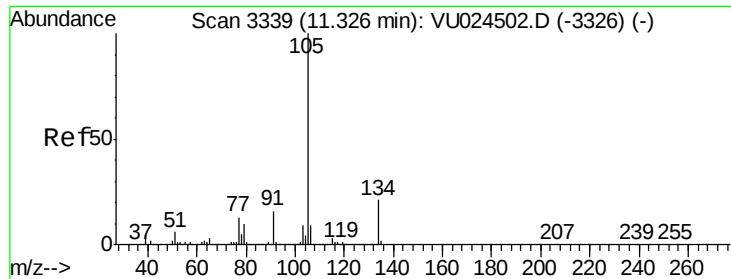
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#84
1,2,4-Trimethylbenzene
Concen: 87.72 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8





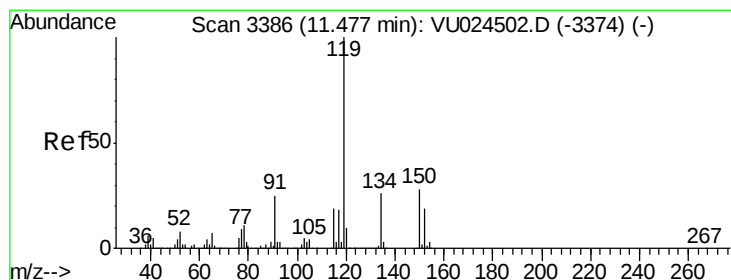
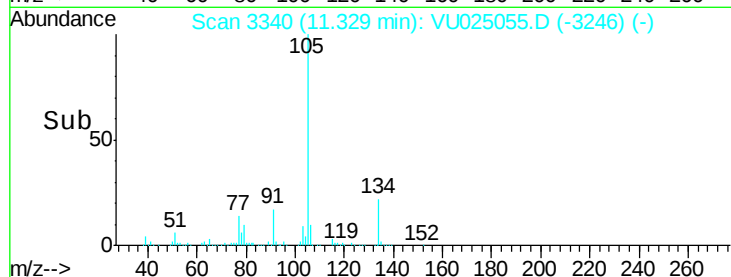
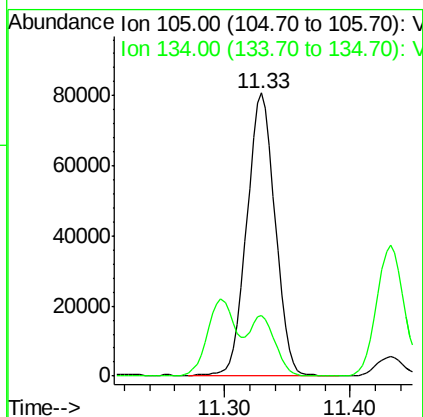
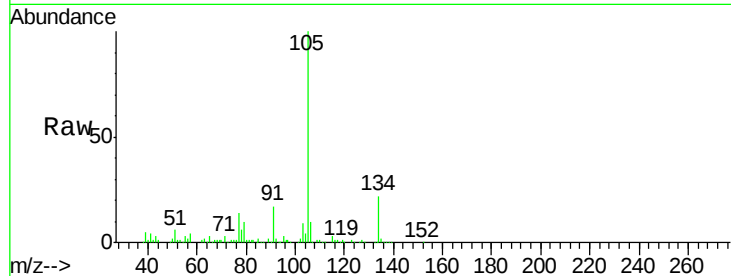
#85
 sec-Butylbenzene
 Concen: 7.04 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025055.D
 Acq: 29 Jun 2018 06:01

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.7	29.1

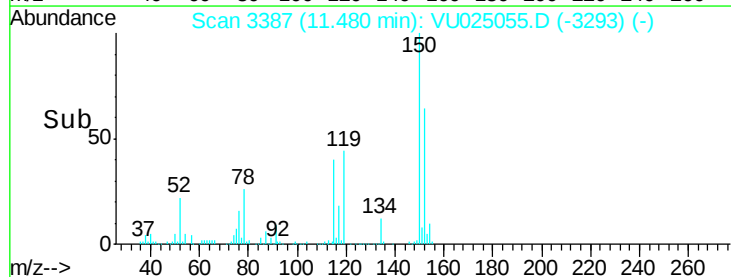
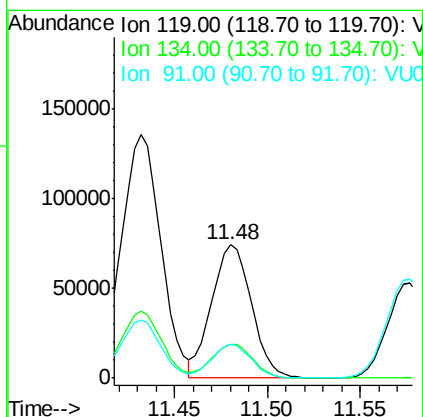
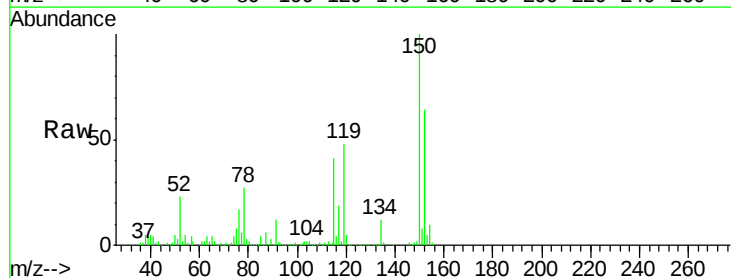
Manual Integrations
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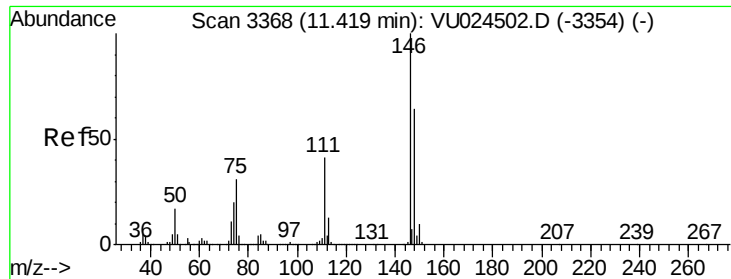
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#86
 p-Isopropyltoluene
 Concen: 6.86 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025055.D
 Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.6
91	24.7	12.0	36.1





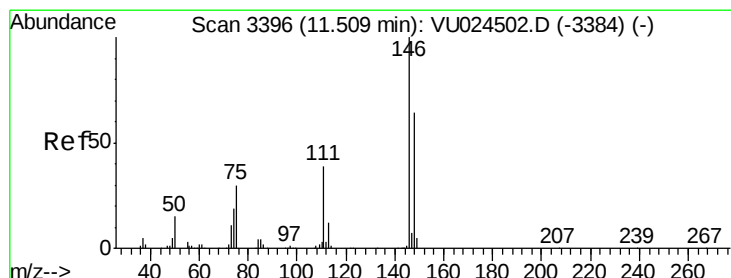
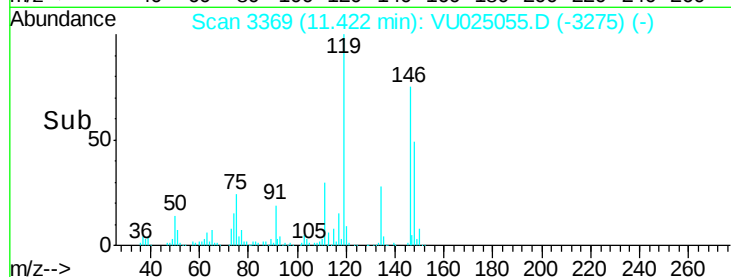
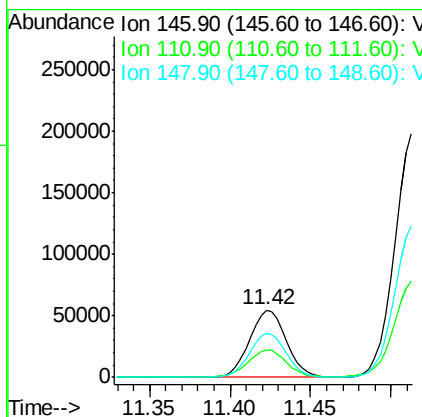
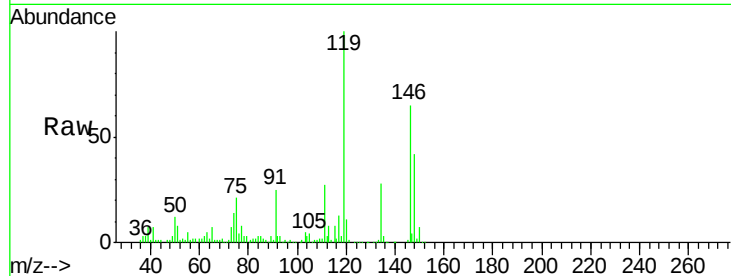
#87
 1,3-Dichlorobenzene
 Concen: 10.70 ug/l m
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025055.D
 Acq: 29 Jun 2018 06:01

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.0	60.0#
148	0.0	32.1	96.5#

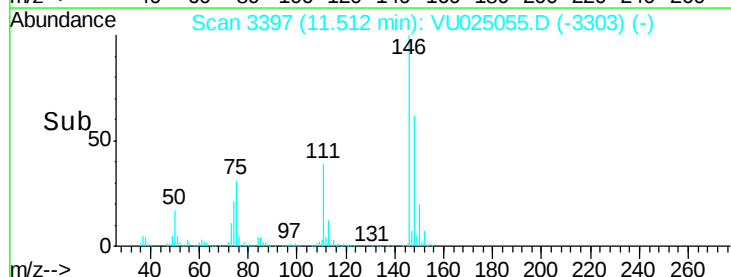
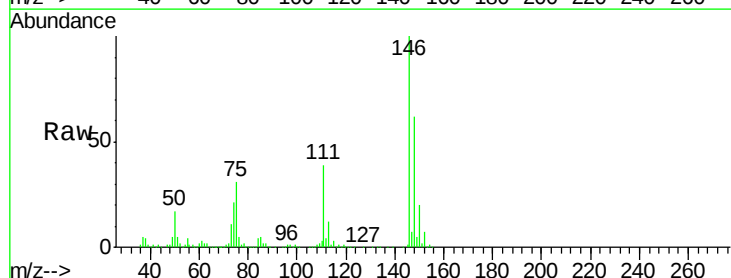
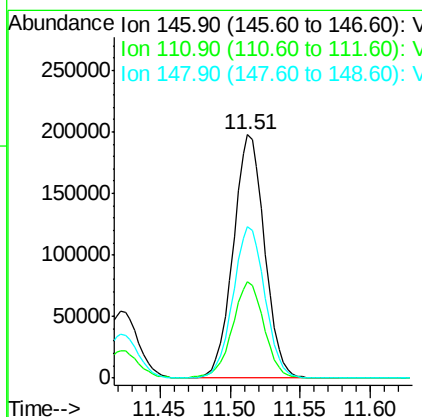
Manual Integrations
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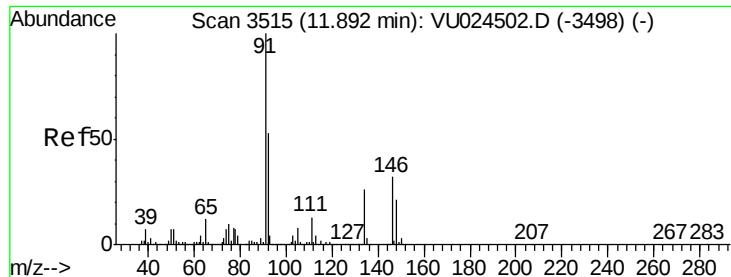
MMDadoda
 6/29/2018 4:23:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 37.56 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025055.D
 Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	63.3	32.4	97.0





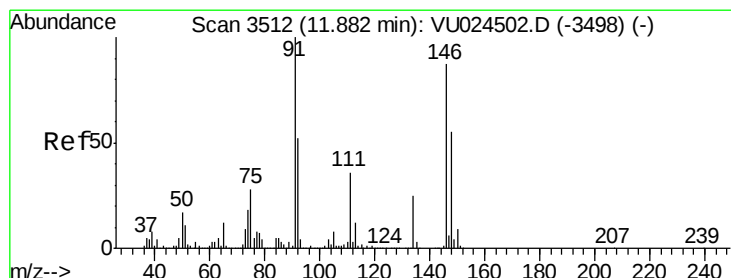
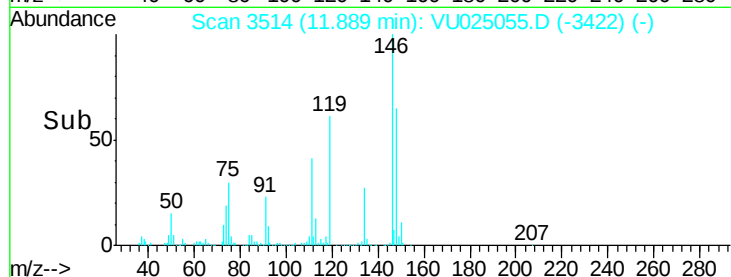
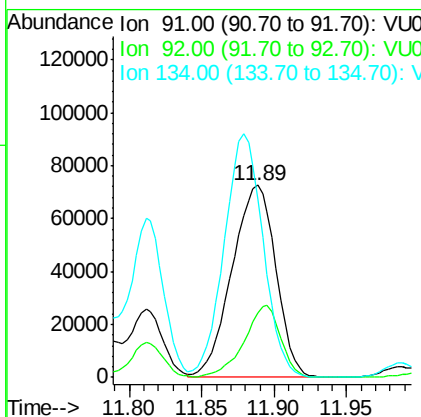
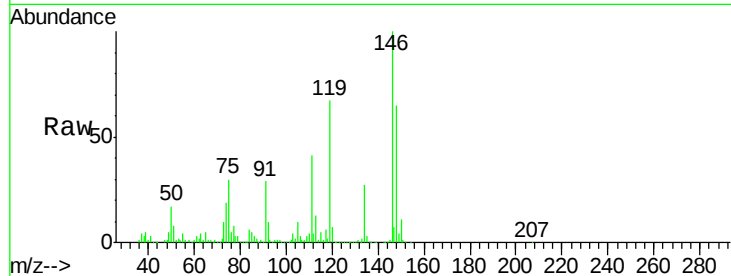
#89
n-Butylbenzene
Concen: 10.56 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-25-27-180621ME

Tot Ion	Ratio	Lower	Upper
91	100		
92	31.3	25.6	76.8
134	112.6	12.3	36.8#

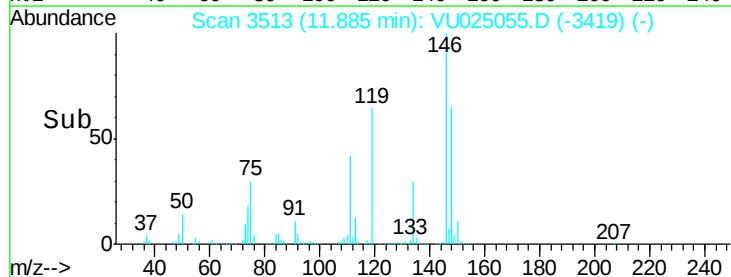
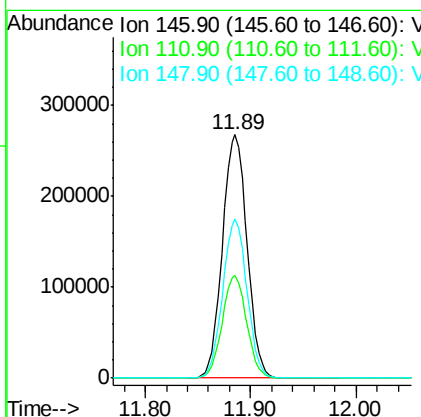
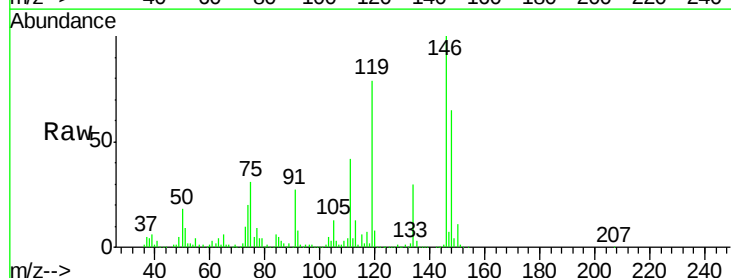
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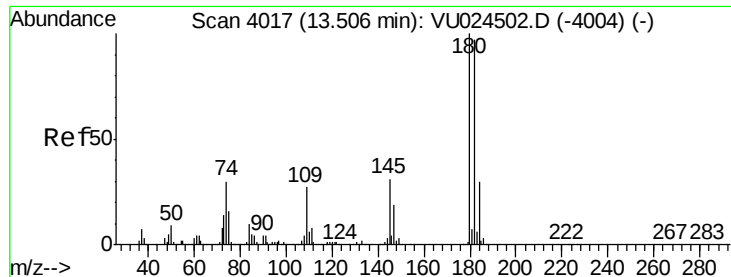
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 53.13 ug/l
RT: 11.89 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VU025055.D
Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	64.4	31.9	95.7





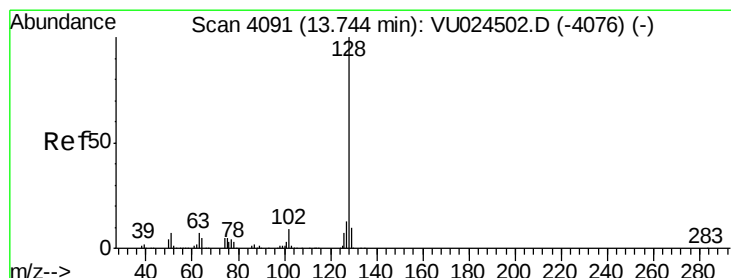
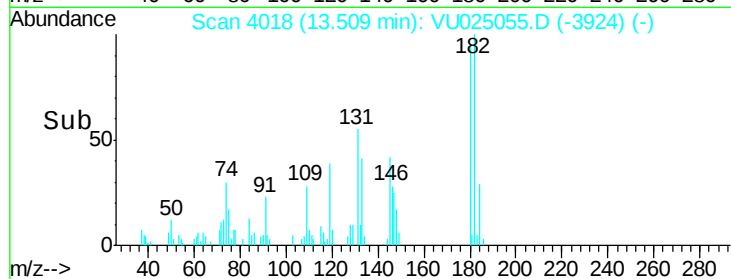
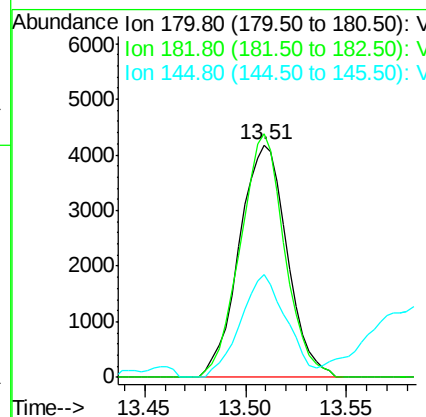
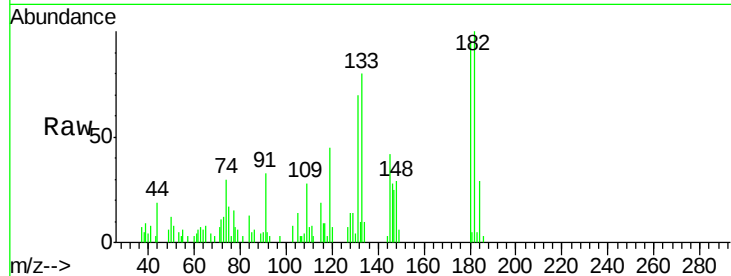
#93
 1,2,4-Trichlorobenzene
 Concen: 1.38 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025055.D
 Acq: 29 Jun 2018 06:01

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.0	144.2
145	42.6	14.7	44.1

Manual Integrations
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 6/29/2018 4:23:51 PM



#95
 Naphthalene
 Concen: 19.61 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025055.D
 Acq: 29 Jun 2018 06:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8

