

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070318\
 Data File : VU025184.D
 Acq On : 03 Jul 2018 12:14
 Operator : MD/SY
 Sample : J3809-09DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818DL

Manual Integrations
 APPROVED

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 7/5/2018 2:30:08 PM

Quant Time: Jul 04 05:20:40 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	216505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	319549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	170900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	162799	46.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.12%	
35) Dibromofluoromethane	4.89	113	125451	47.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.60%	
50) Toluene-d8	7.57	98	462282	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	10.31	95	175304	45.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.28%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.83	59	4029	4.687	ug/l #	72
16) Acetone	2.33	43	3537	1.862	ug/l #	89
39) Methylcyclohexane	6.42	83	7177	1.532	ug/l	93
40) Benzene	5.39	78	40580	3.793	ug/l	98
52) Toluene	7.64	92	13299	1.932	ug/l	99
67) Ethyl Benzene	9.25	91	498473	37.448	ug/l	97
68) m/p-Xylenes	9.38	106	190417	37.253	ug/l	98
69) o-Xylene	9.78	106	5127	1.014	ug/l	88
73) Isopropylbenzene	10.17	105	32228	2.456	ug/l	98
78) n-propylbenzene	10.59	91	91146	5.897	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	4817m	0.424	ug/l	
84) 1,2,4-Trimethylbenzene	11.15	105	878290	75.782	ug/l	100
85) sec-Butylbenzene	11.33	105	9627m	0.703	ug/l	
86) p-Isopropyltoluene	11.48	119	6726	0.548	ug/l	91
89) n-Butylbenzene	11.89	91	9392m	0.863	ug/l	
95) Naphthalene	13.75	128	77472	6.761	ug/l	98

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

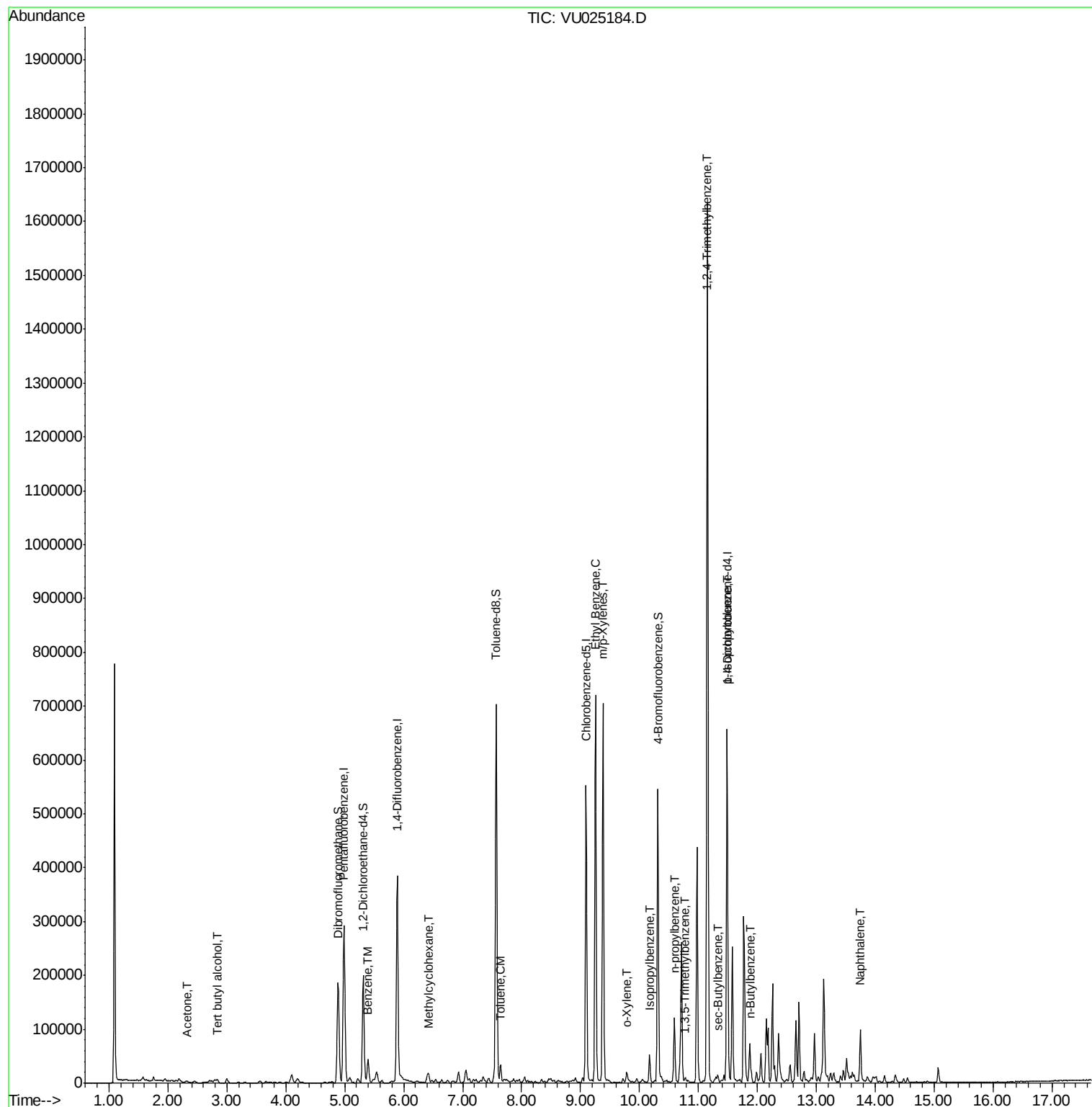
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070318\
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MW-1-062818DL

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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: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

Tot Ion:168 Resp: 216505

Ion Ratio Lower Upper

168 100

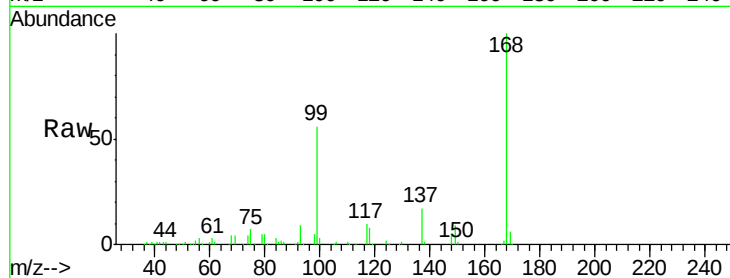
99 56.2 43.2 64.8

Manual Integrations

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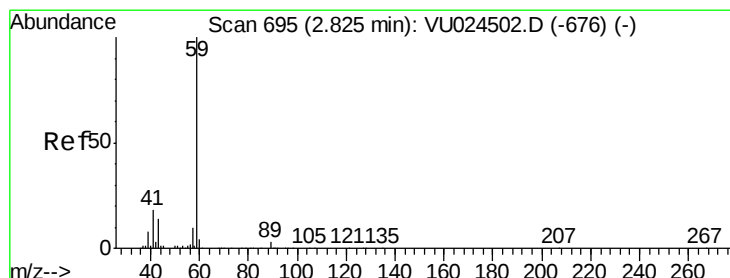
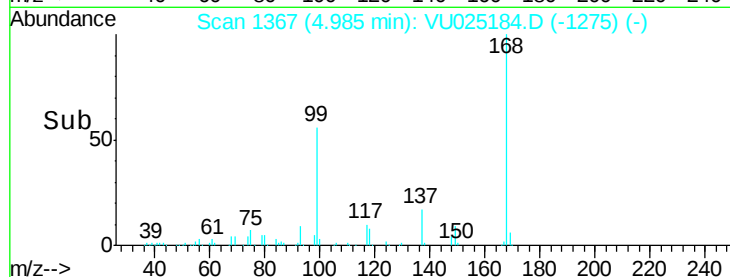
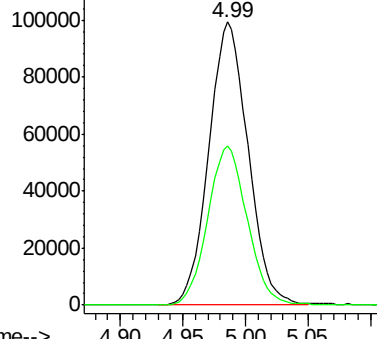
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#11

Tert butyl alcohol

Concen: 4.687 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU025184.D

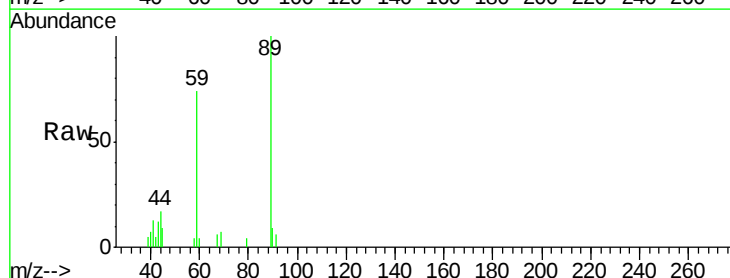
Acq: 03 Jul 2018 12:14

Tgt Ion: 59 Resp: 4029

Ion Ratio Lower Upper

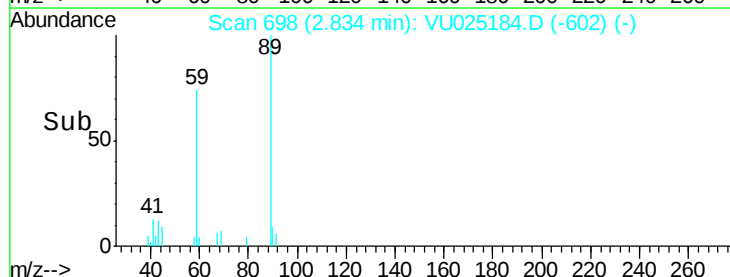
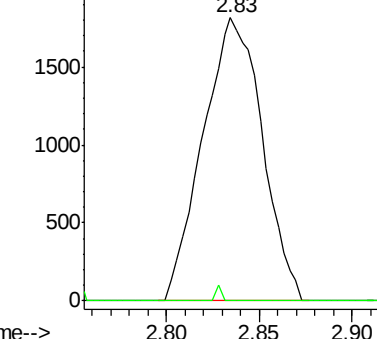
59 100

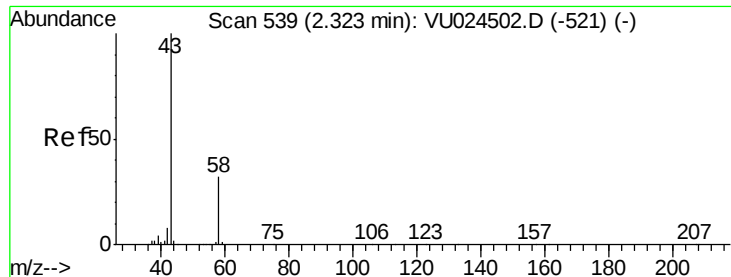
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





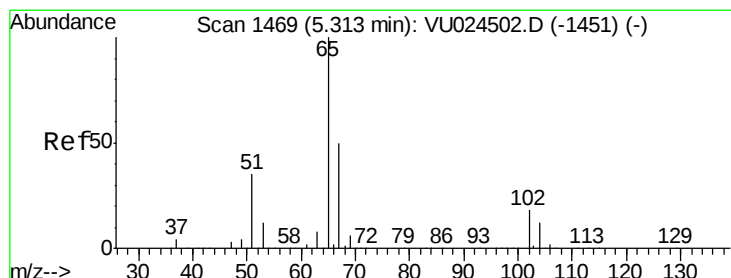
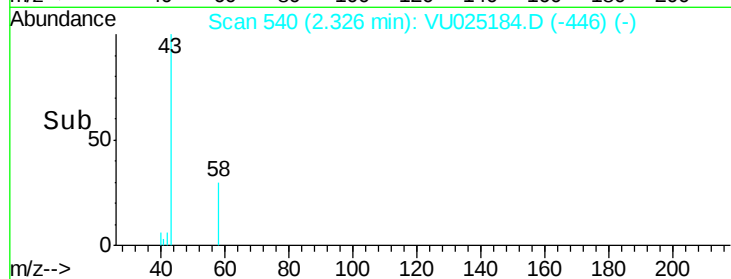
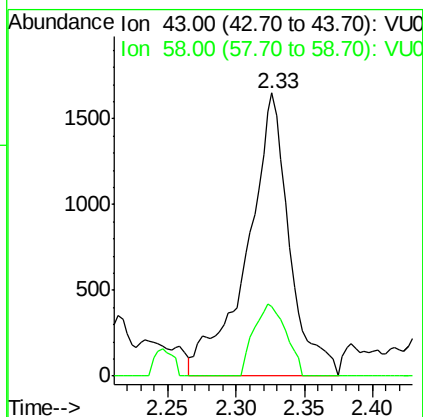
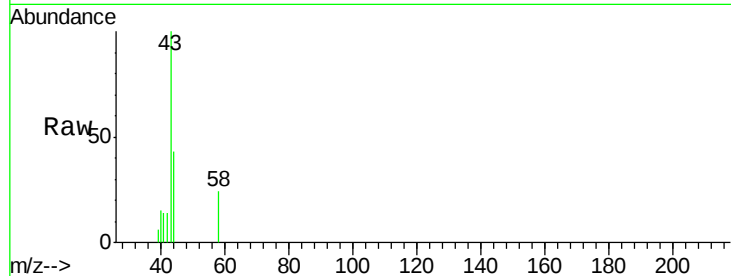
#16
Acetone
Concen: 1.862 ug/l
RT: 2.33 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion: 43 Resp: 3537
Ion Ratio Lower Upper
43 100
58 24.3 24.4 36.6#

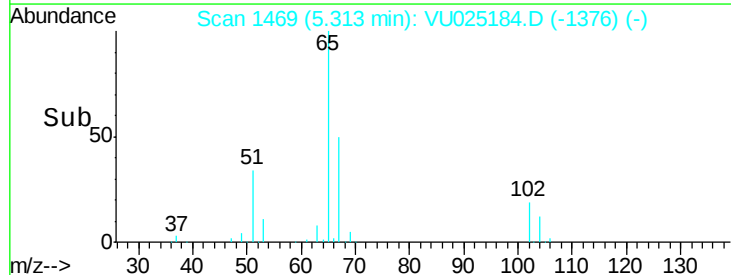
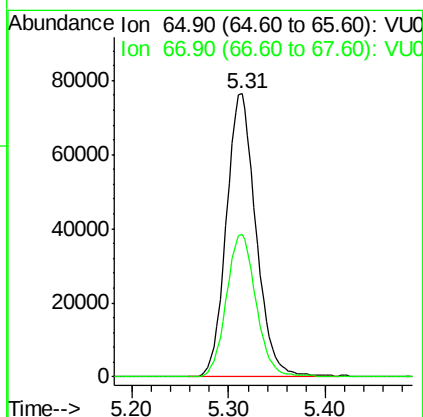
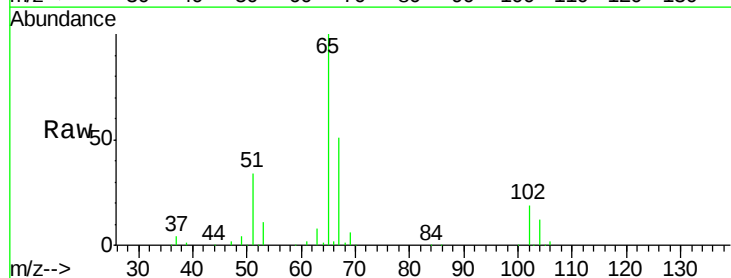
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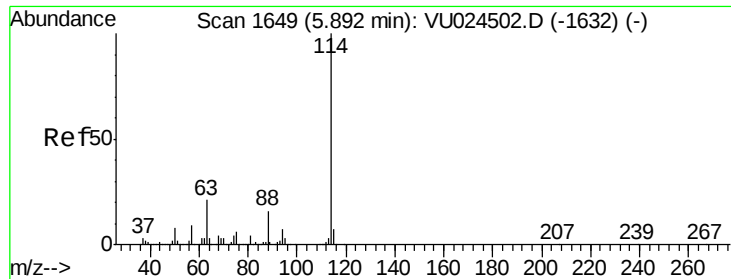
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#33
1,2-Dichloroethane-d4
Concen: 46.060 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion: 65 Resp: 162799
Ion Ratio Lower Upper
65 100
67 50.4 0.0 107.0





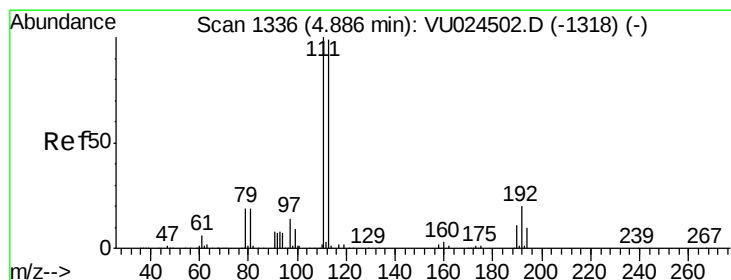
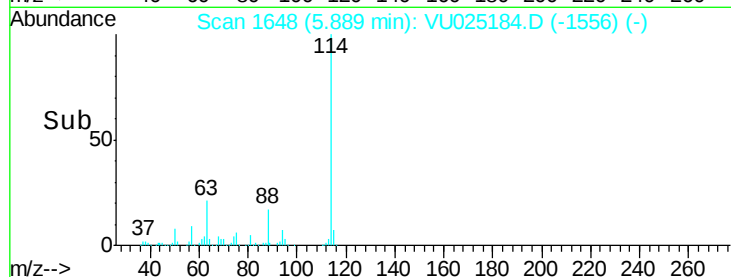
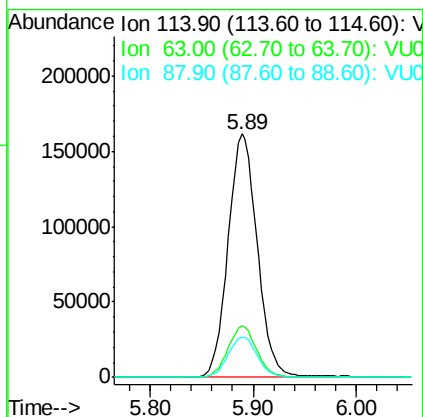
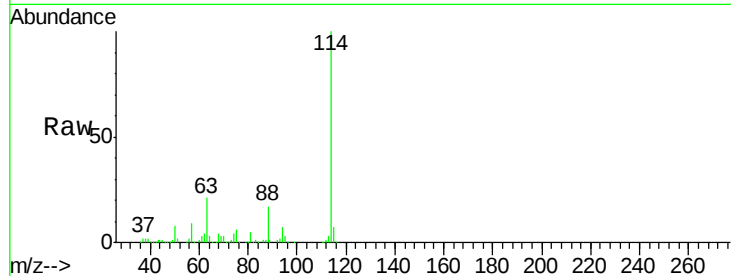
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-1-062818DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	21.1	0.0	45.4
88	16.7	0.0	31.0

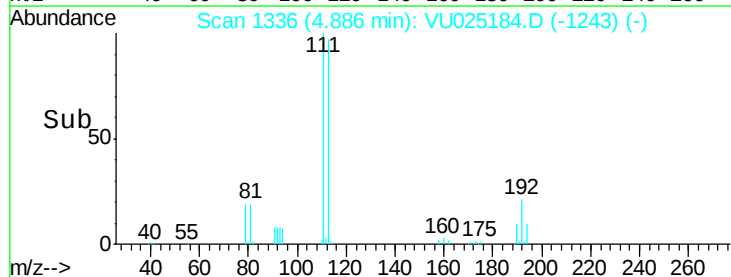
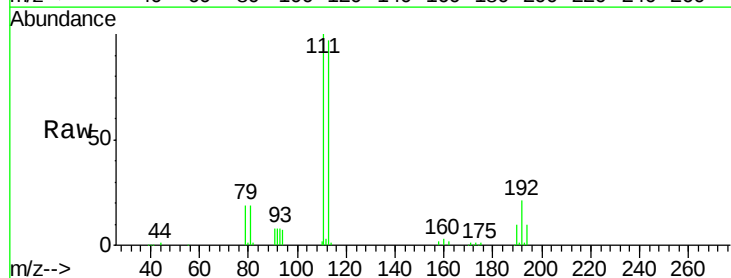
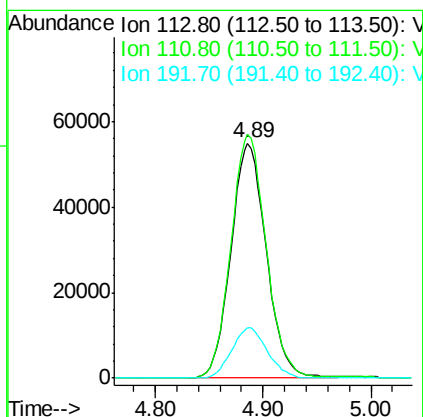
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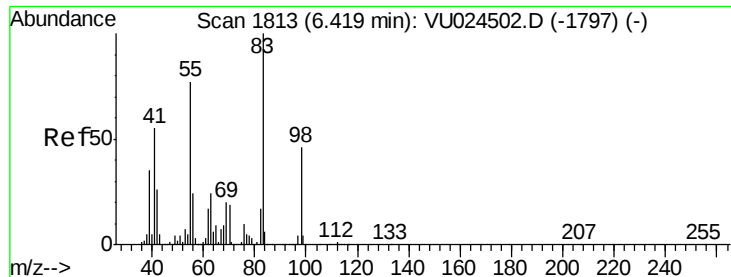
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#35
 Dibromofluoromethane
 Concen: 47.304 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025184.D
 Acq: 03 Jul 2018 12:14

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.3	82.2	123.4
192	21.5	16.2	24.4





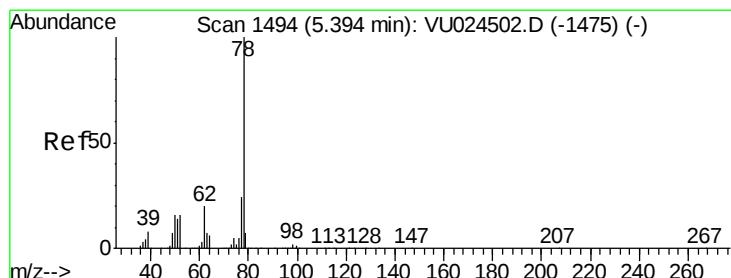
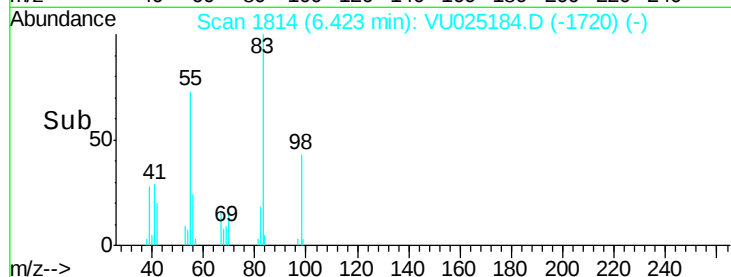
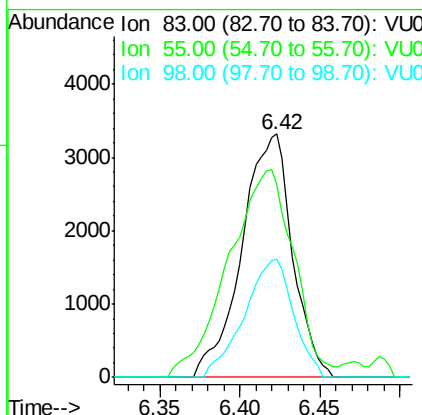
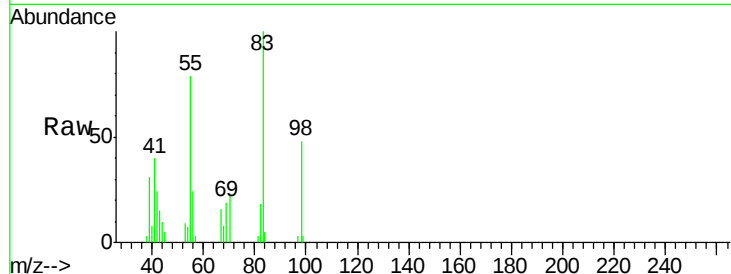
#39
Methvlcvclohexane
Concen: 1.532 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	65.8	98.6
98	48.5	36.7	55.1

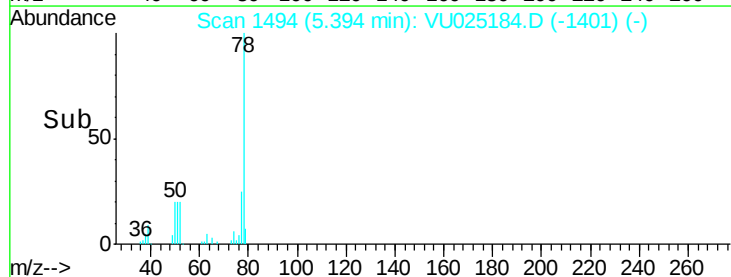
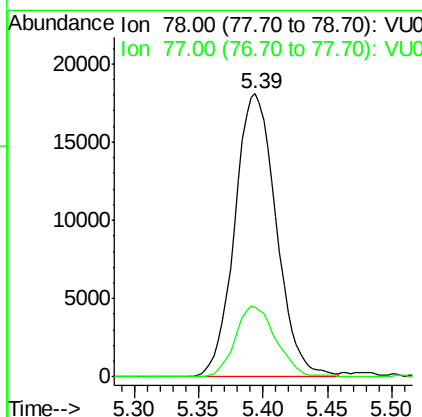
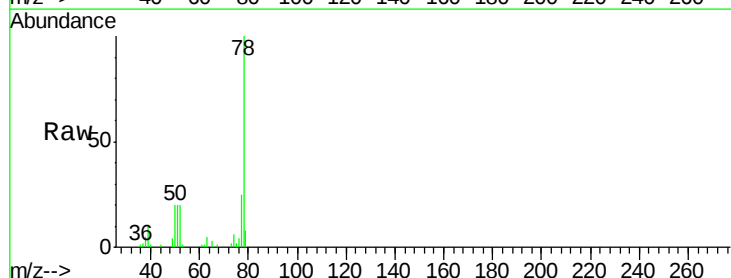
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#40
Benzene
Concen: 3.793 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





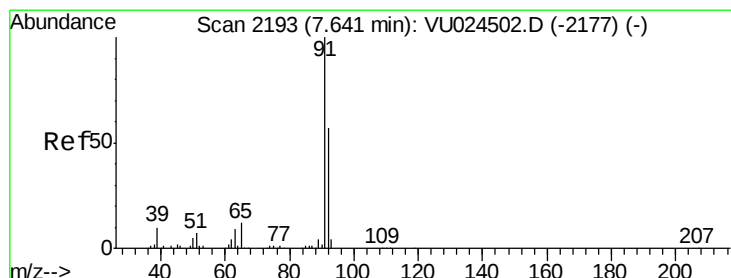
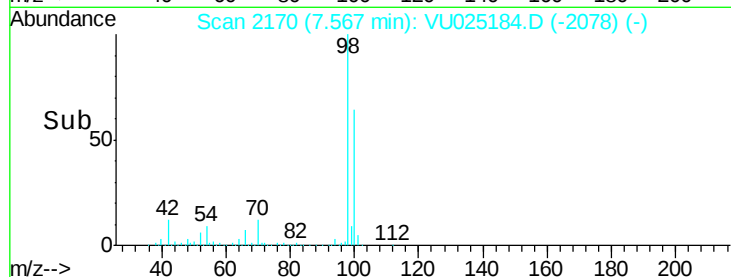
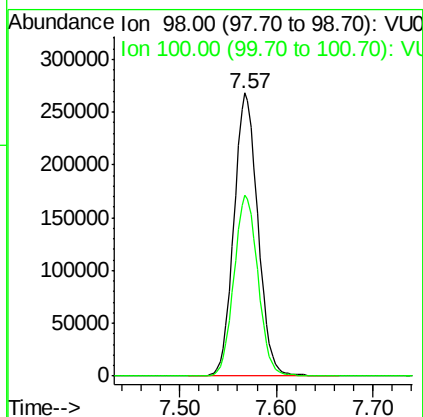
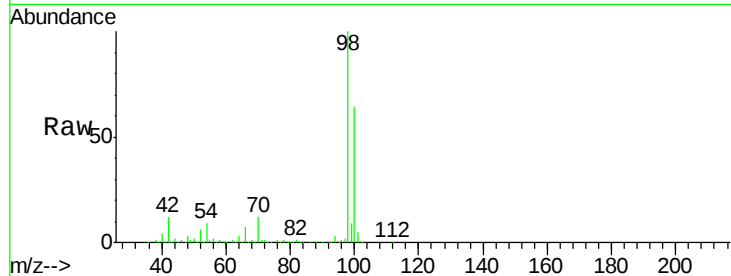
#50
Toluene-d8
Concen: 47.789 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion	Ion	Ratio	Lower	Upper
98	100			
100	64.1	51.1	76.7	

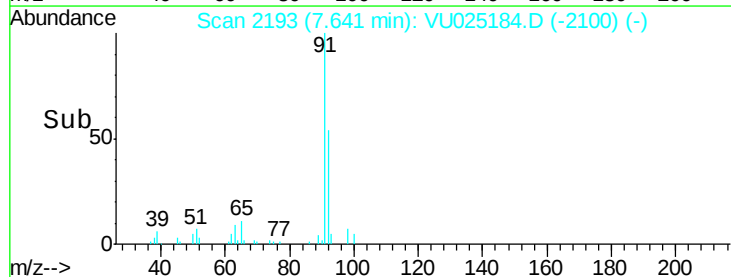
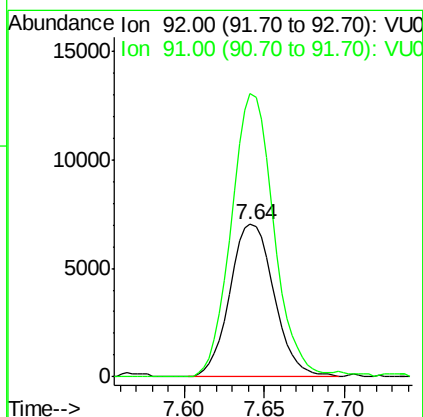
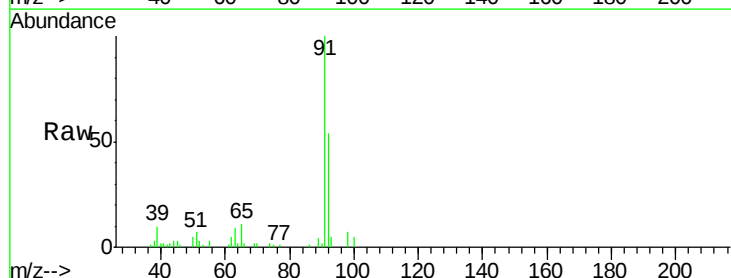
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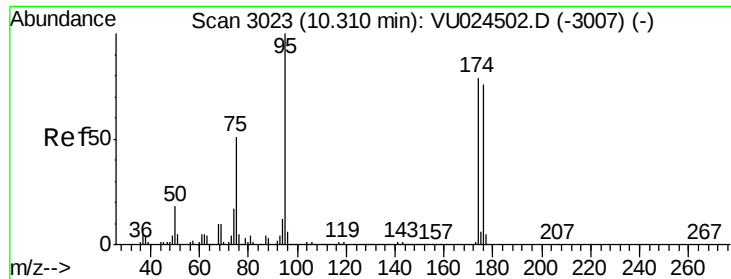
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#52
Toluene
Concen: 1.932 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	177.1	140.5	210.7	





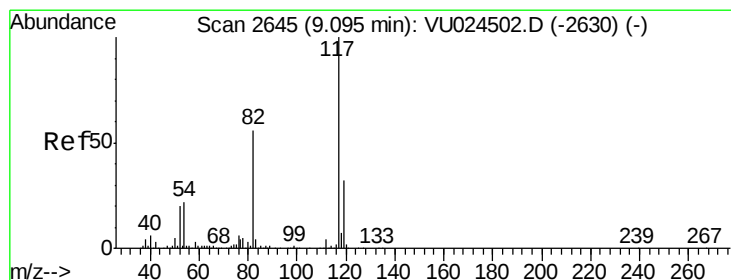
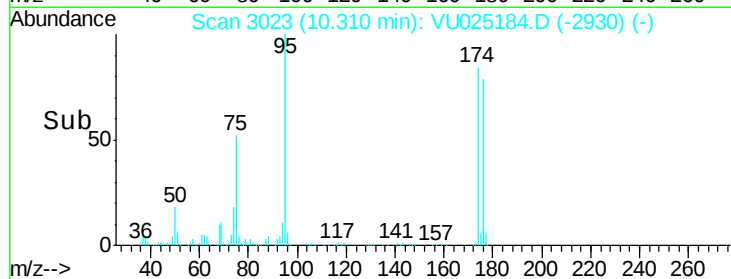
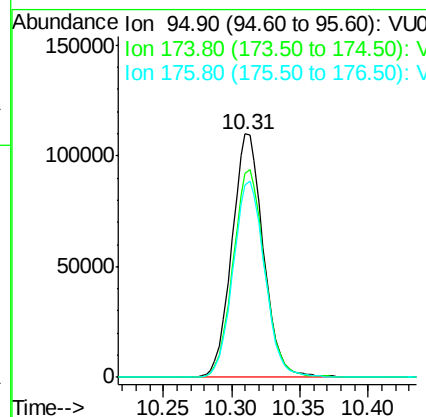
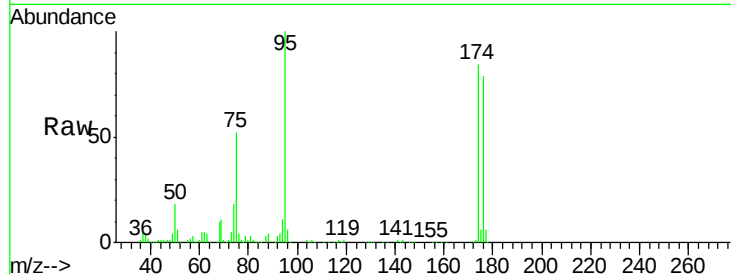
#62
4-Bromofluorobenzene
Concen: 45.643 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	175304		
174	86.0	0.0	165.8	
176	81.7	0.0	159.4	

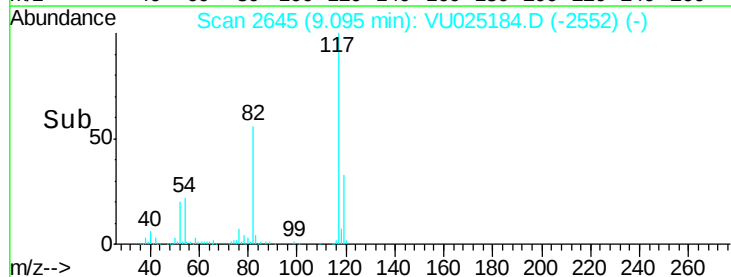
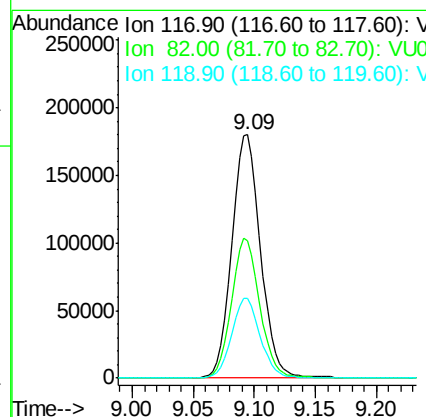
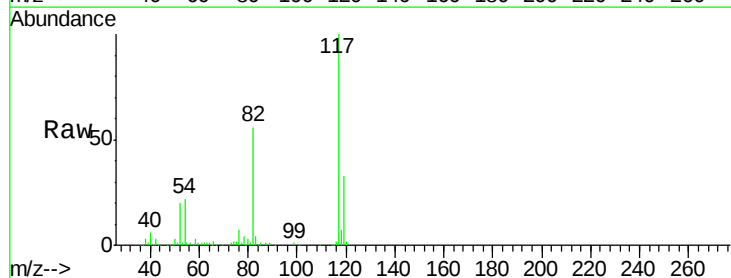
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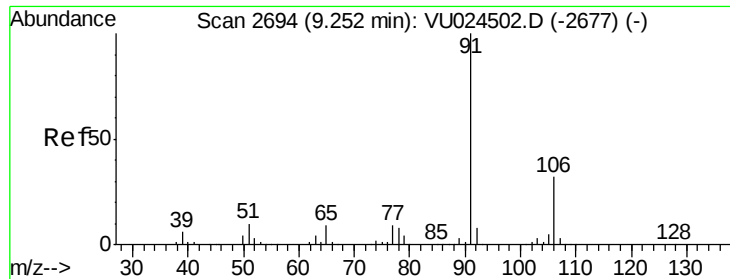
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	297221		
82	56.4	44.3	66.5	
119	32.5	25.4	38.2	





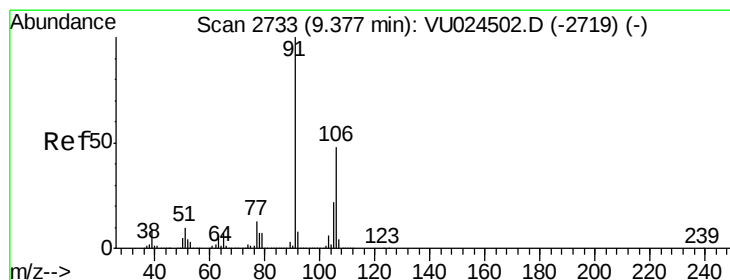
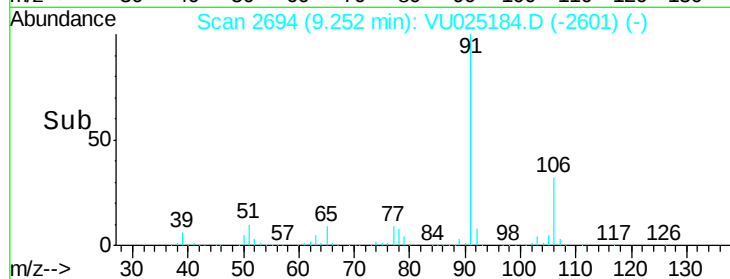
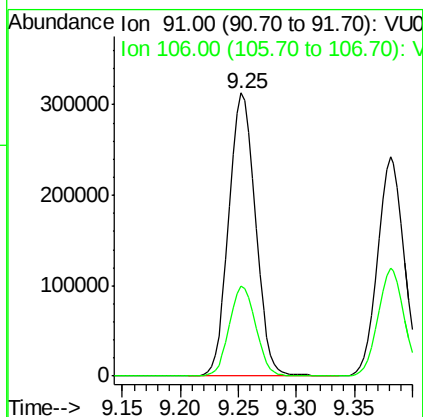
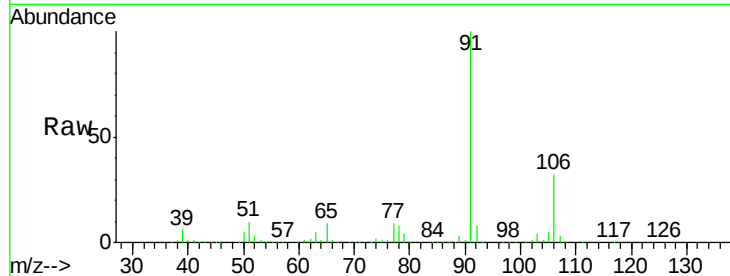
#67
Ethyl Benzene
Concen: 37.448 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion: 91 Resp: 498473
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

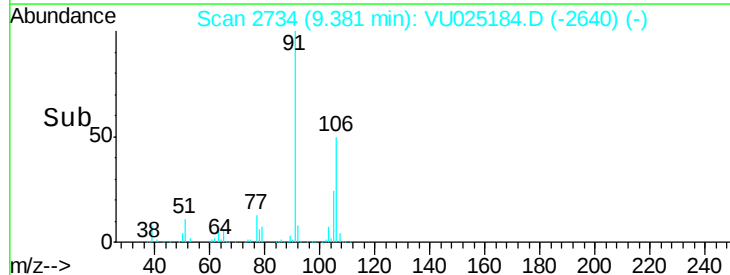
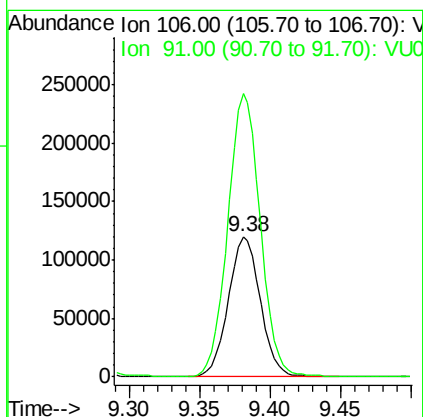
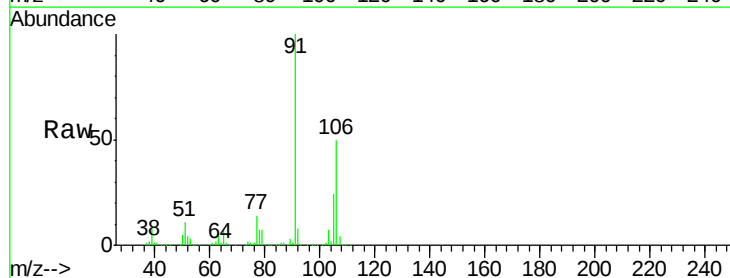
Manual Integrations
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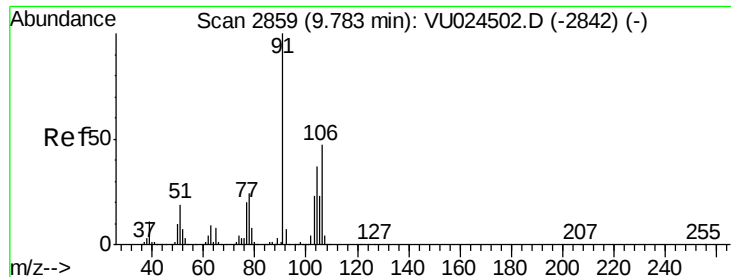
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#68
m/p-Xylenes
Concen: 37.253 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion: 106 Resp: 190417
Ion Ratio Lower Upper
106 100
91 205.2 166.5 249.7





#69

o-Xylene

Concen: 1.014 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

Tot Ion:106 Resp: 5127

Ion Ratio Lower Upper

106 100

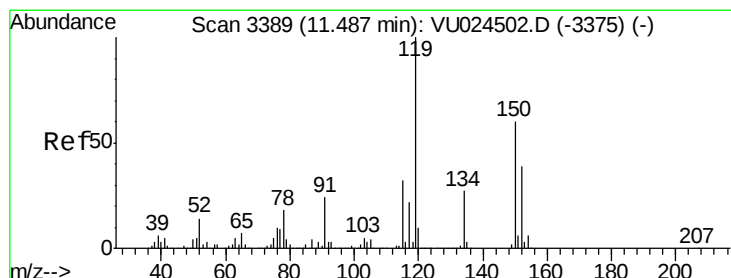
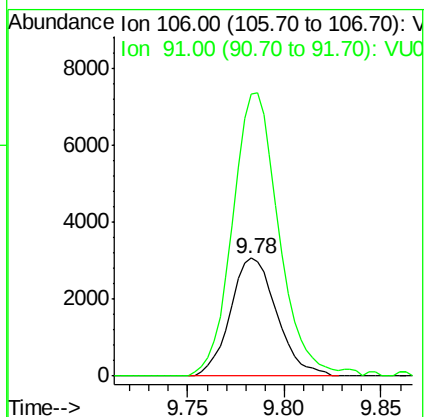
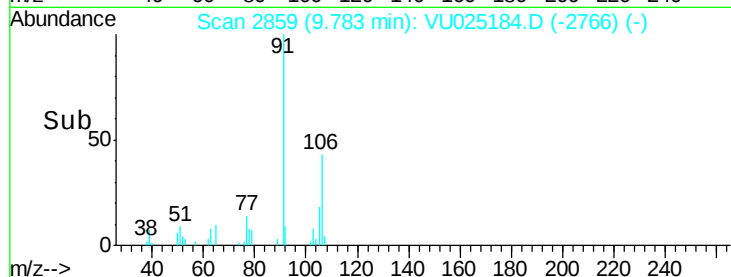
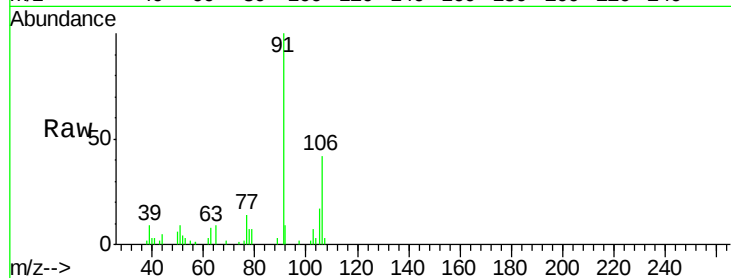
91 240.5 110.7 331.9

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

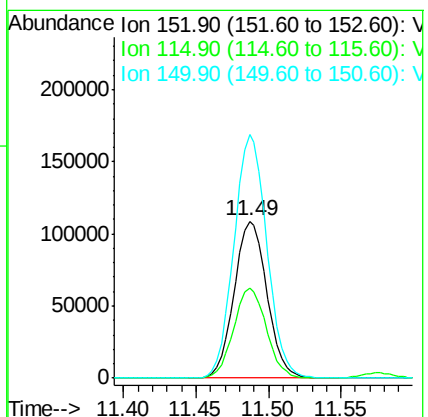
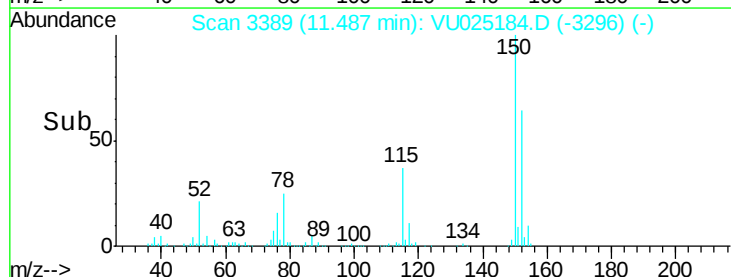
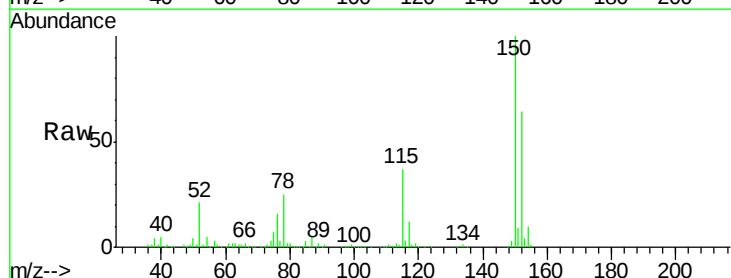
Tgt Ion:152 Resp: 170900

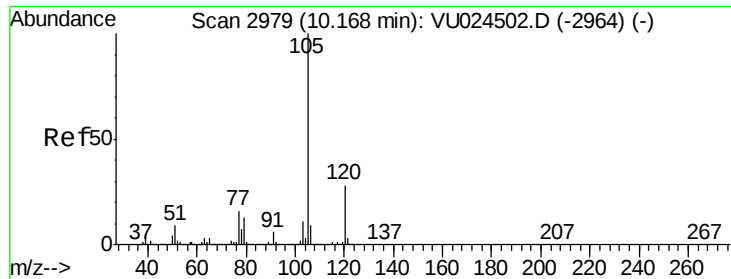
Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

150 156.0 0.0 354.0





#73

Isopropylbenzene

Concen: 2.456 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

Tot Ion: 105 Resp: 32228

Ion Ratio Lower Upper

105 100

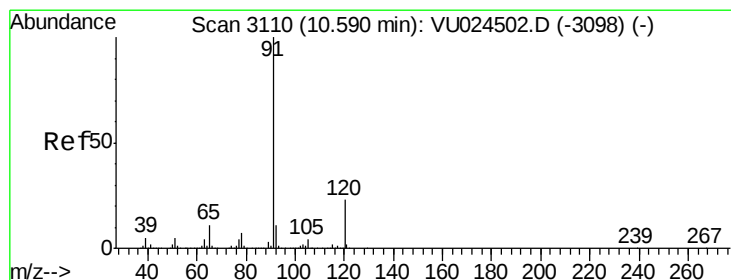
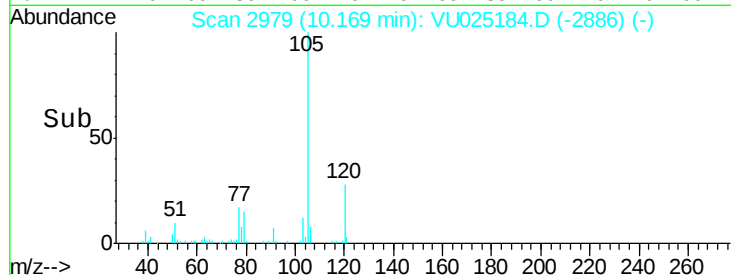
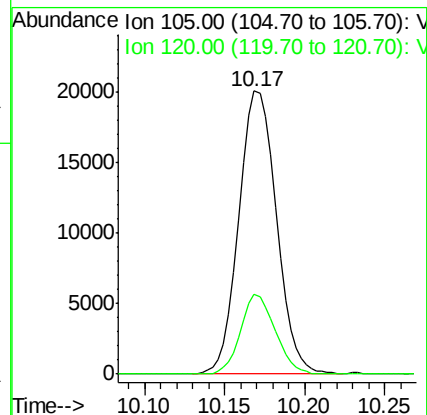
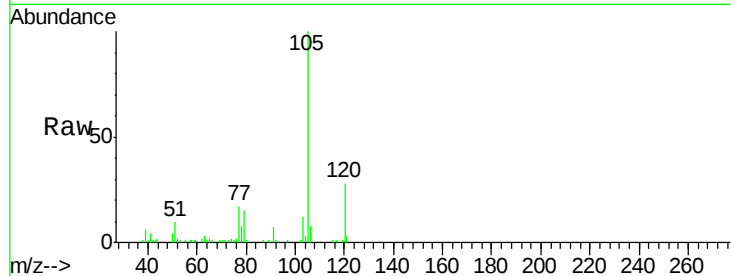
120 25.5 13.2 39.6

Manual Integrations

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#78

n-propylbenzene

Concen: 5.897 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025184.D

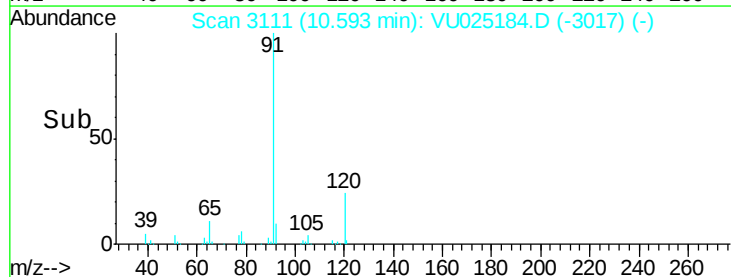
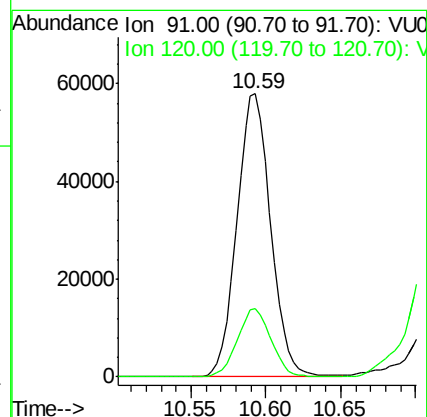
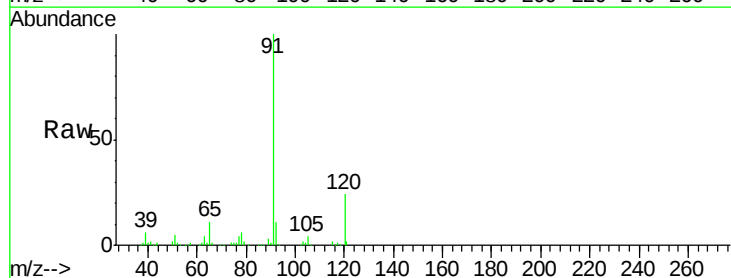
Acq: 03 Jul 2018 12:14

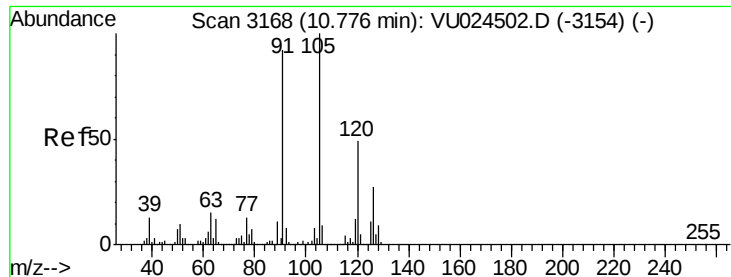
Tgt Ion: 91 Resp: 91146

Ion Ratio Lower Upper

91 100

120 23.9 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 0.424 ug/l m

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

Tot Ion:105 Resp: 4817

Ion Ratio Lower Upper

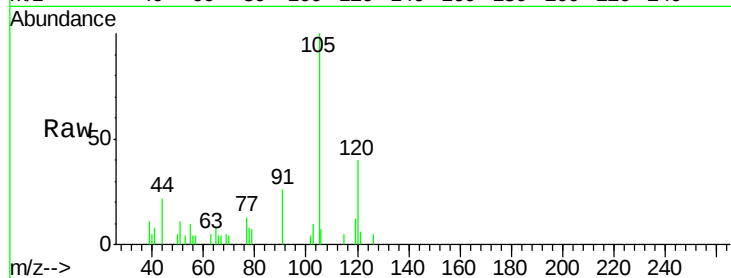
105 100

120 0.0 24.1 72.2#

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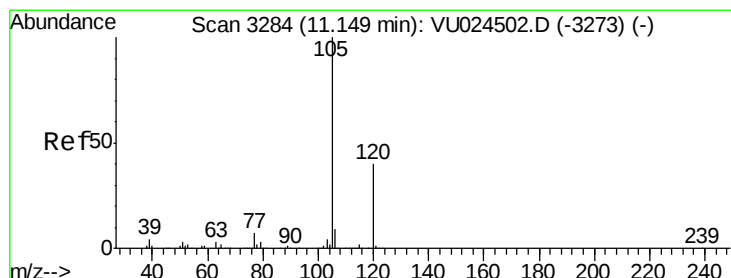
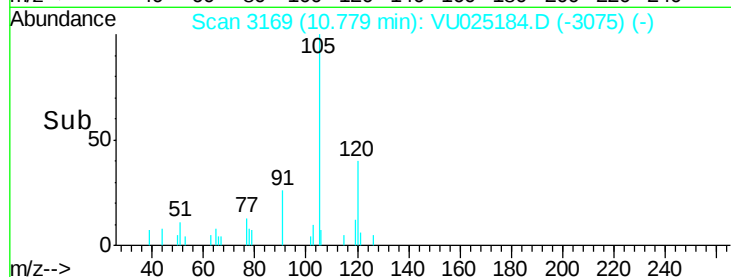
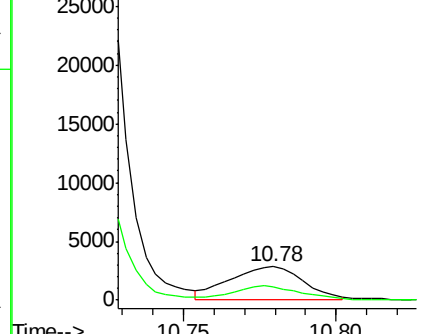
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 75.782 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025184.D

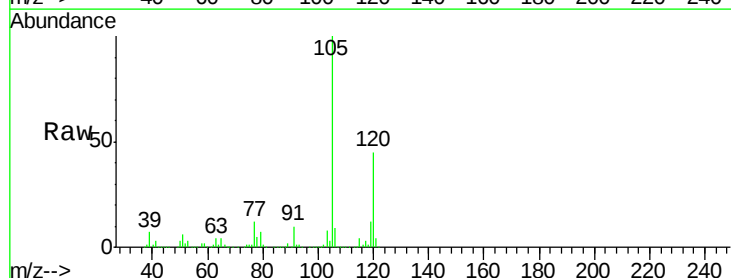
Acq: 03 Jul 2018 12:14

Tgt Ion:105 Resp: 878290

Ion Ratio Lower Upper

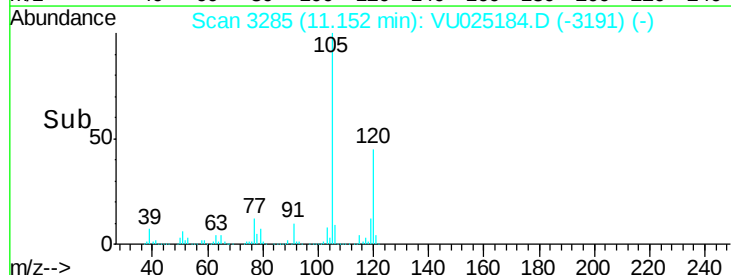
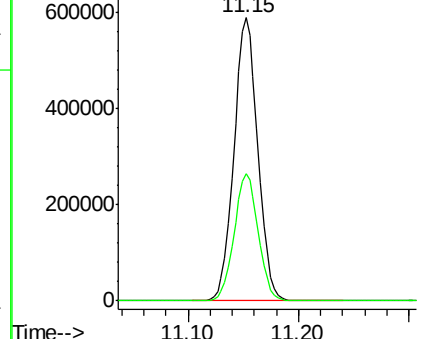
105 100

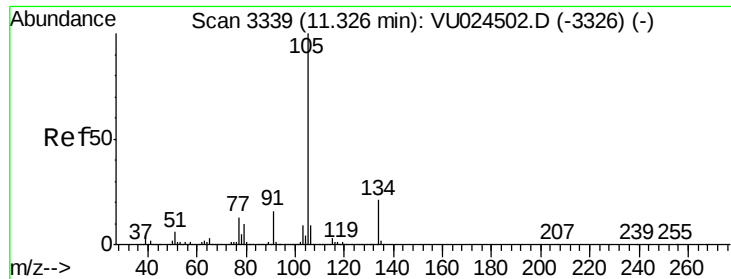
120 45.1 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.703 ug/l m

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

Instrument :

MSVOA_U

ClientSampleId :

MW-1-062818DL

Tot Ion:105 Resp: 9627

Ion Ratio Lower Upper

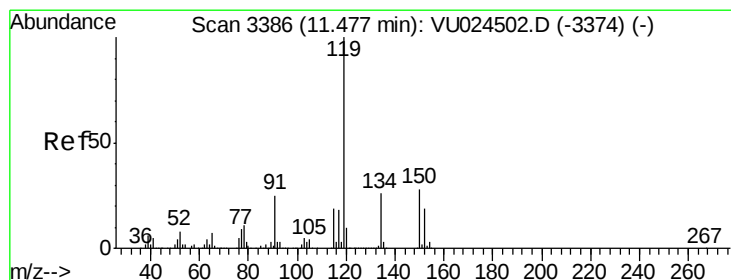
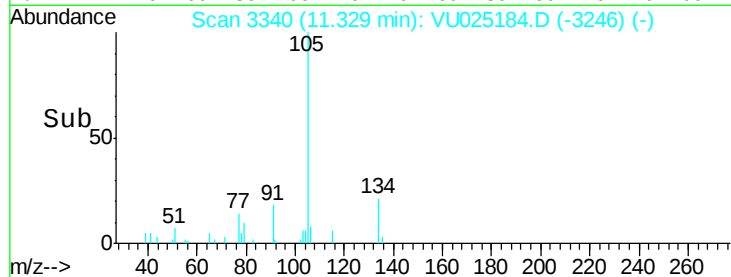
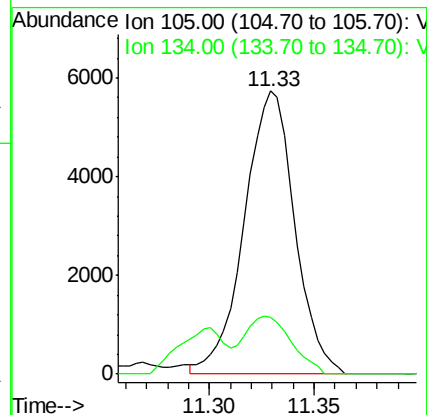
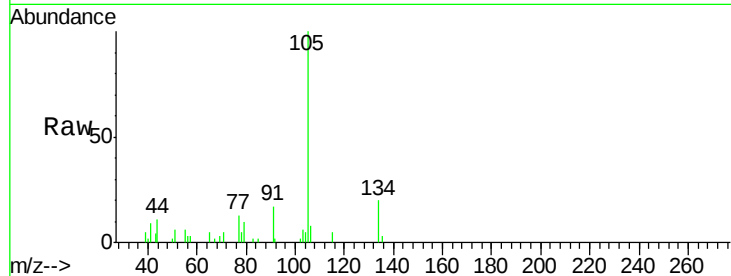
105 100

134 0.0 9.7 29.1#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 0.548 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025184.D

Acq: 03 Jul 2018 12:14

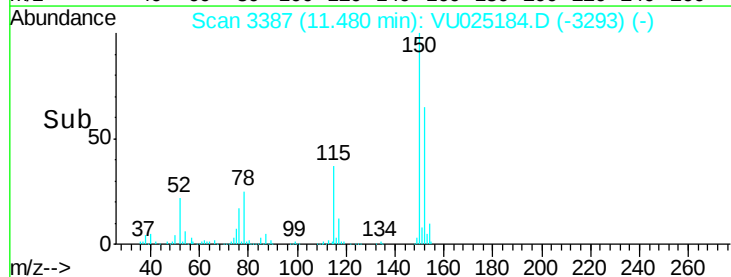
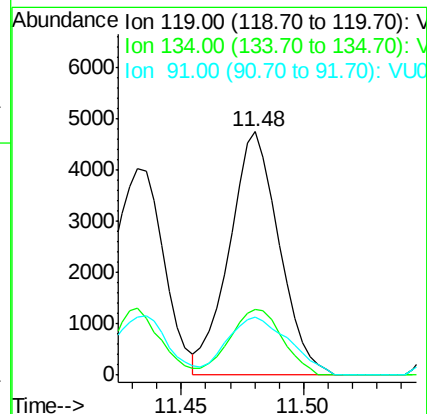
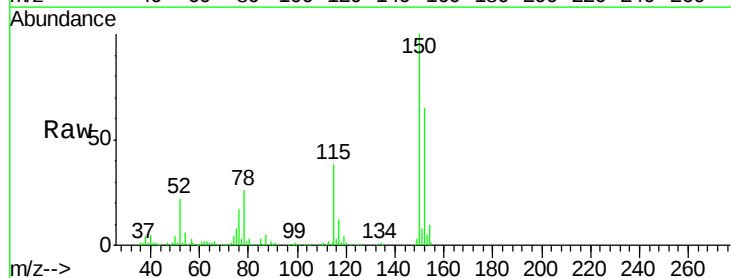
Tgt Ion:119 Resp: 6726

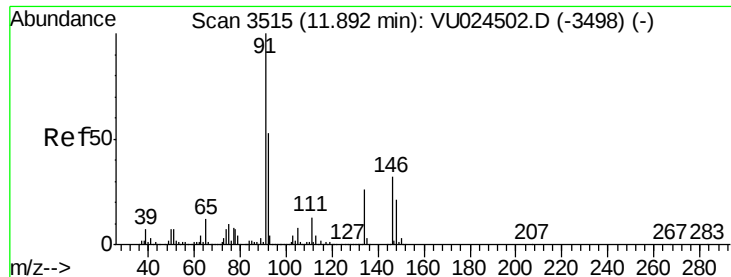
Ion Ratio Lower Upper

119 100

134 28.8 12.9 38.6

91 29.8 12.0 36.1





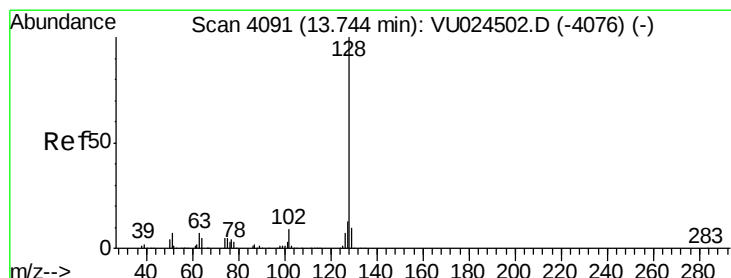
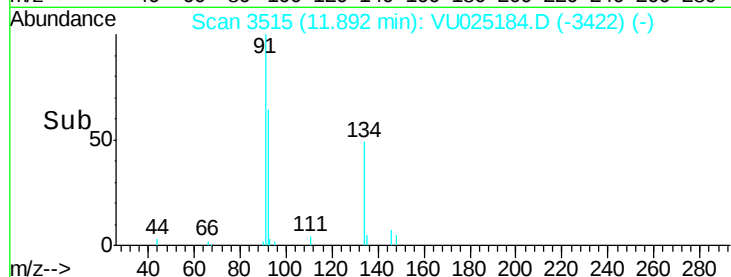
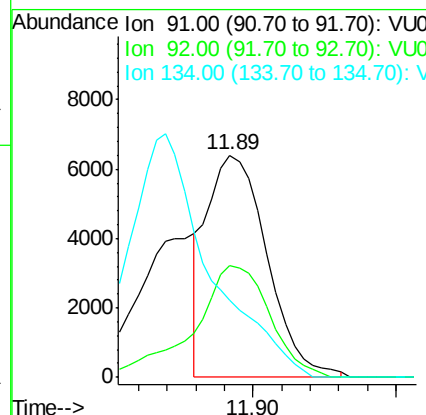
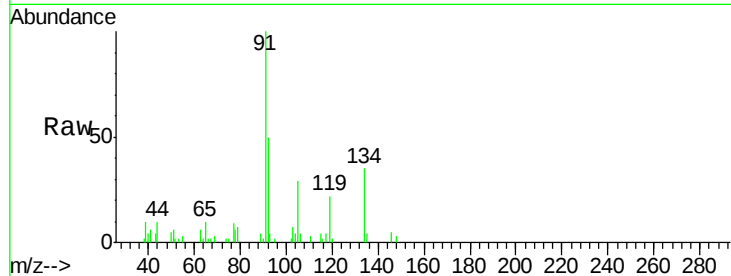
#89
n-Butylbenzene
Concen: 0.863 ug/l m
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Instrument :
MSVOA_U
ClientSampleId :
MW-1-062818DL

Tot Ion:	91	Resp:	9392
Ion	Ratio	Lower	Upper
91	100		
92	64.0	25.6	76.8
134	0.0	12.3	36.8#

Manual Integrations
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#95
Naphthalene
Concen: 6.761 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025184.D
Acq: 03 Jul 2018 12:14

Tgt Ion:	128	Resp:	77472
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.6	16.0
129	10.5	8.6	12.8

