

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025778.D
 Acq On : 01 Aug 2018 15:55
 Operator : MD/SY
 Sample : J4262-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-04

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:45:01 AM

Quant Time: Aug 02 09:25:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	206532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	326944	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	321497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	204385	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	154850	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
35) Dibromofluoromethane	4.89	113	131380	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.40%	
50) Toluene-d8	7.57	98	470229	47.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	10.31	95	190173	49.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.48%	
Target Compounds						
					Qvalue	
16) Acetone	2.32	43	7206	4.593	ug/l	95
19) Methyl tert-butyl Ether	3.01	73	5994	0.746	ug/l	96
40) Benzene	5.40	78	137334	12.296	ug/l	97
52) Toluene	7.64	92	6357	0.916	ug/l	95
67) Ethyl Benzene	9.26	91	53558	3.901	ug/l	100
68) m/p-Xylenes	9.38	106	17530	3.326	ug/l	100
69) o-Xylene	9.78	106	11242	2.182	ug/l	96
73) Isopropylbenzene	10.17	105	106819	7.657	ug/l	98
78) n-propylbenzene	10.59	91	35426	2.176	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	16110	1.360	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	36217	3.017	ug/l	99
85) sec-Butylbenzene	11.33	105	4674	0.325	ug/l	94
86) p-Isopropyltoluene	11.48	119	5537	0.430	ug/l #	74
89) n-Butylbenzene	11.89	91	5897m	0.497	ug/l	
95) Naphthalene	13.75	128	4632198	298.839	ug/l	99

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

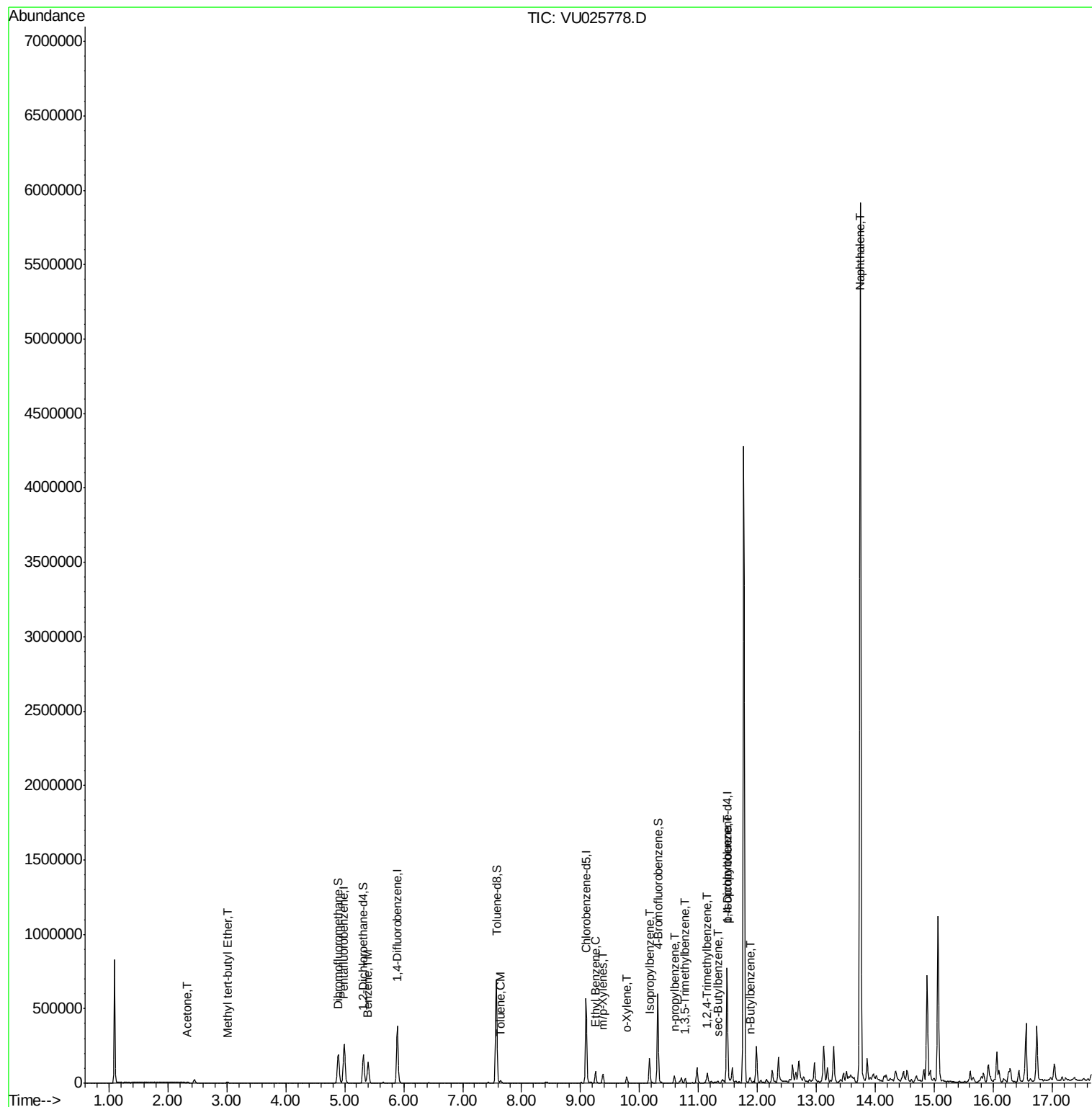
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080118\
Data File : VU025778.D
Acq On : 01 Aug 2018 15:55
Operator : MD/SY
Sample : J4262-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

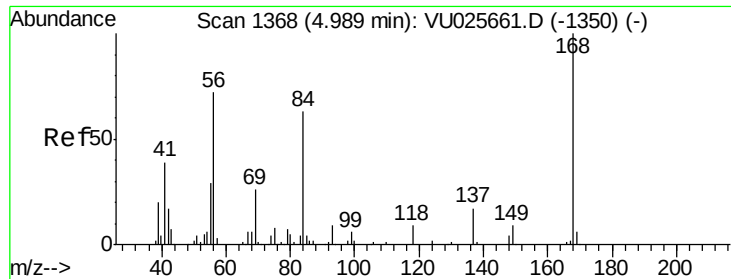
Instrument :
MSVOA_U
ClientSampleId :
GW-04

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:01 AM

Quant Time: Aug 02 09:25:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 16:07:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Instrument :

MSVOA_U

ClientSampled :

GW-04

Tot Ion:168 Resp: 206532

Ion Ratio Lower Upper

168 100

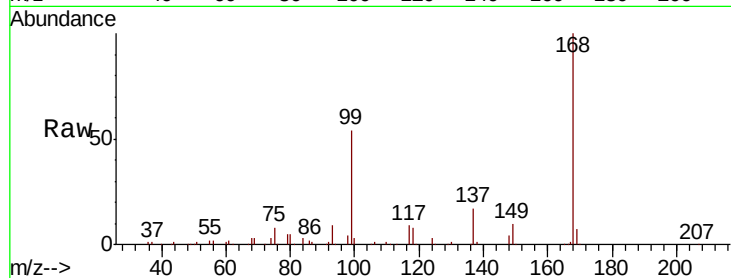
99 53.5 42.8 64.2

Manual Integrations

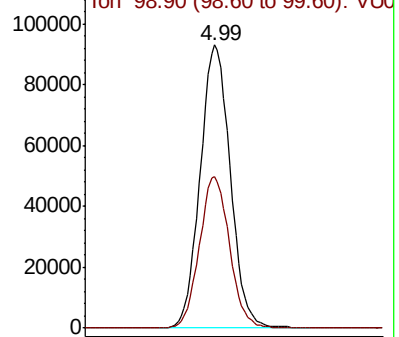
APPROVED

MMDadoda

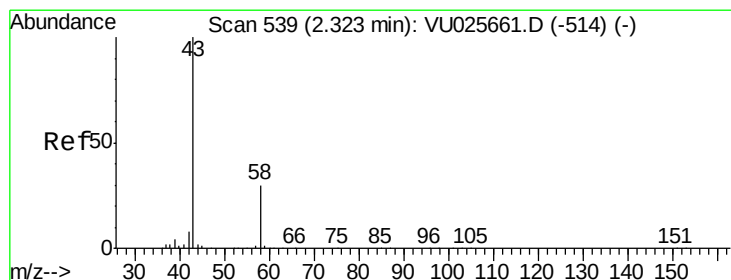
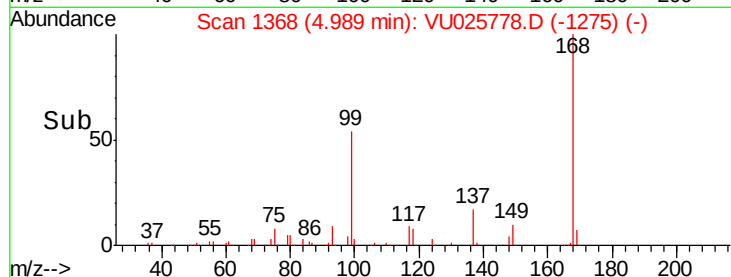
8/2/2018 9:45:01 AM



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)



Time-->



#16

Acetone

Concen: 4.593 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025778.D

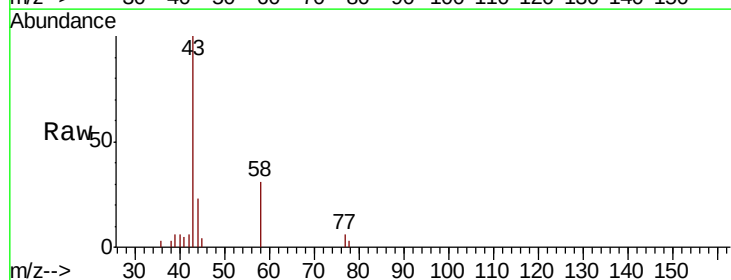
Acq: 01 Aug 2018 15:55

Tgt Ion: 43 Resp: 7206

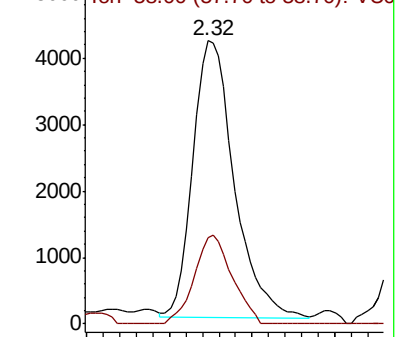
Ion Ratio Lower Upper

43 100

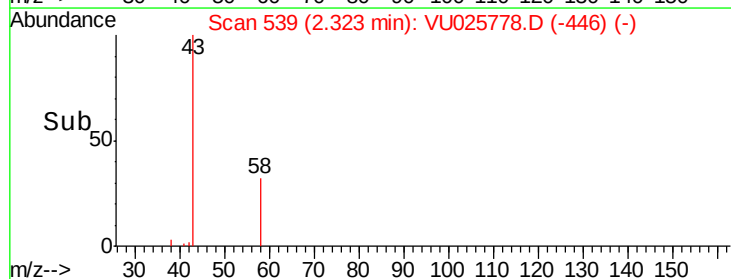
58 31.5 23.1 34.7

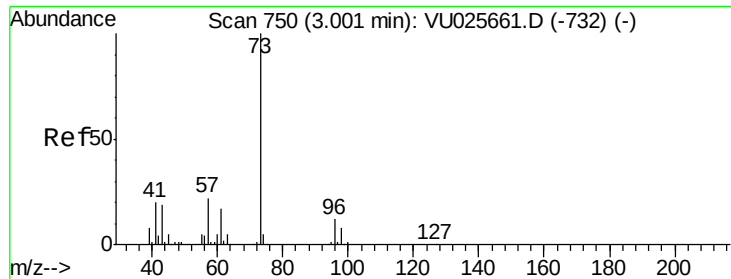


Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-514) (-)



Time-->





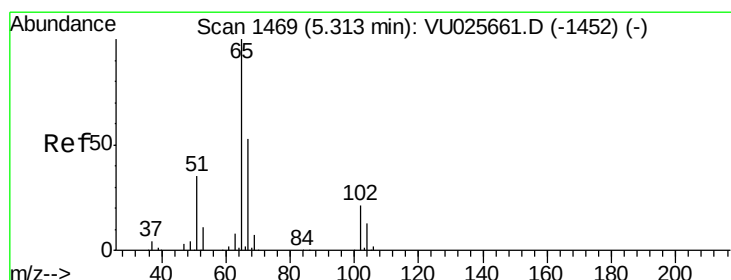
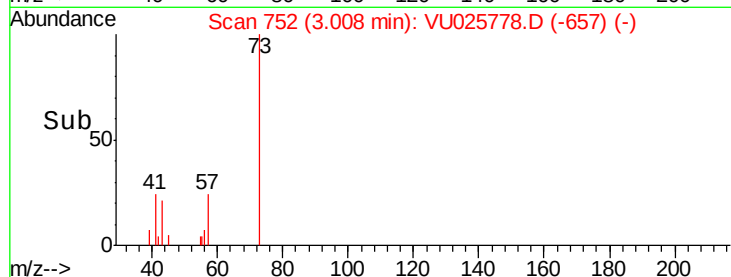
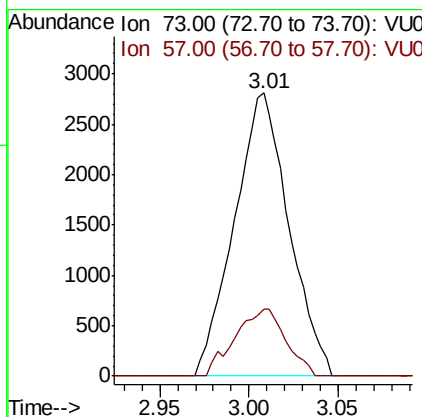
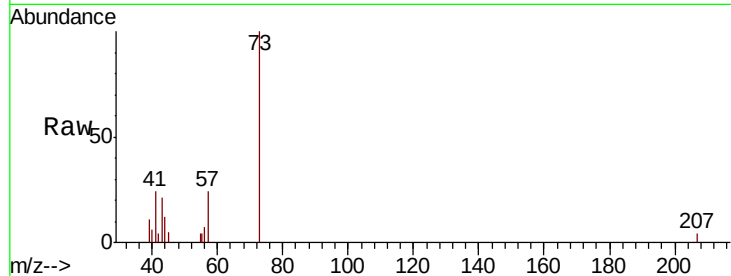
#19
Methyl tert-butyl Ether
Concen: 0.746 ug/l
RT: 3.01 min Scan# 752
Delta R.T. 0.01 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
GW-04

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.4	26.2

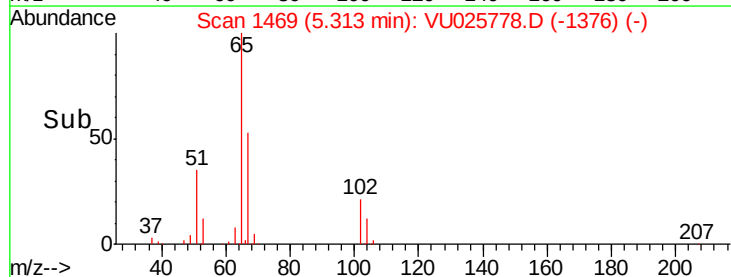
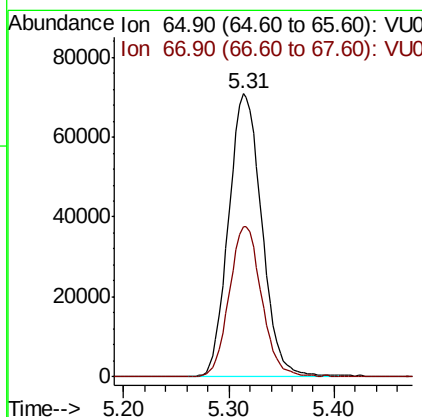
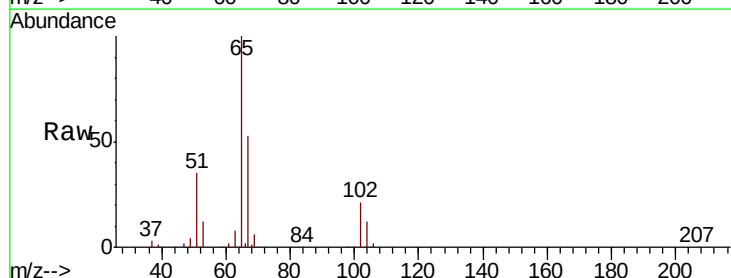
Manual Integrations
APPROVED

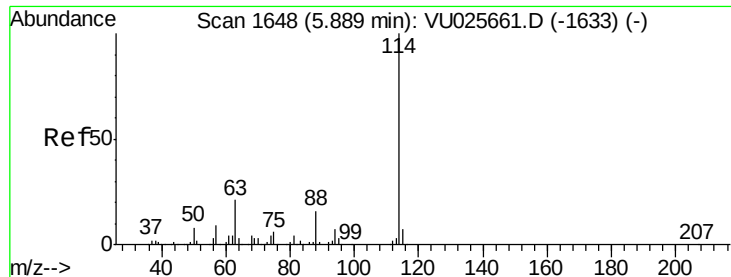
MMDadoda
8/2/2018 9:45:01 AM



#33
1,2-Dichloroethane-d4
Concen: 48.120 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Instrument :

MSVOA_U

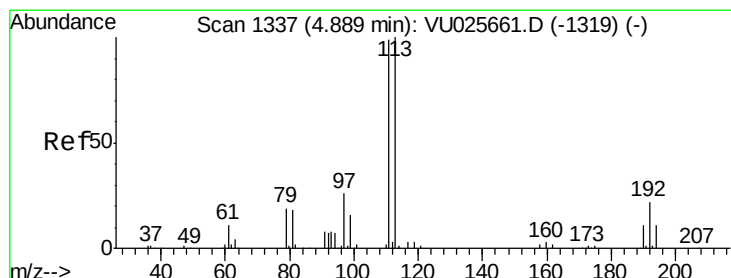
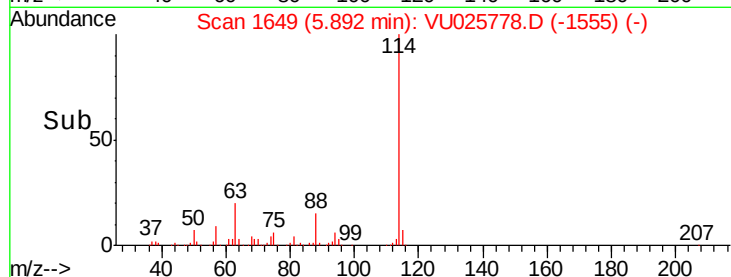
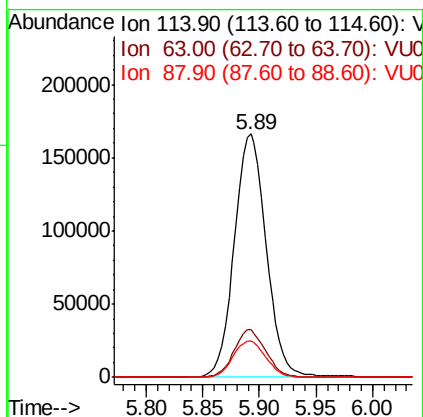
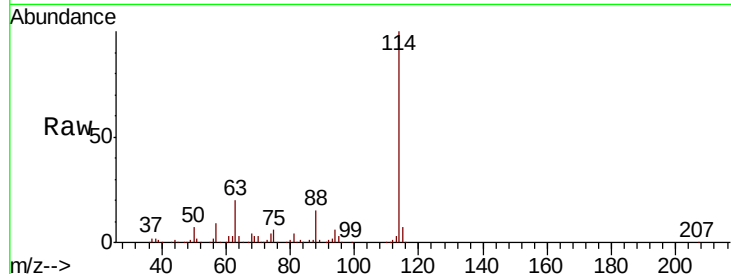
ClientSampleId :

GW-04

Tot Ion:	114	Resp:	326944
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	41.6
88	15.0	0.0	32.4

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:01 AM



#35

Dibromofluoromethane

Concen: 46.202 ug/l

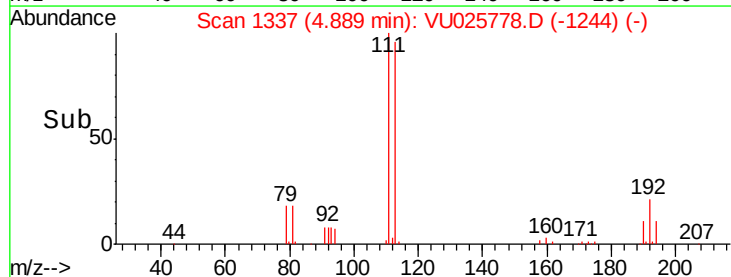
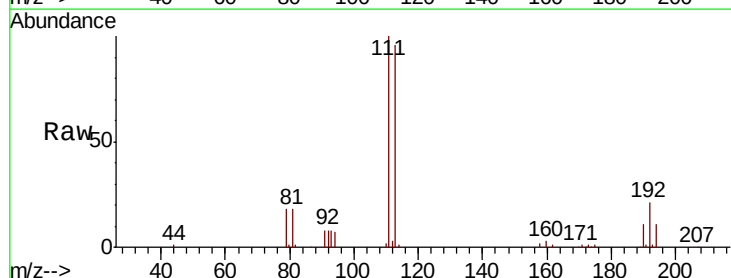
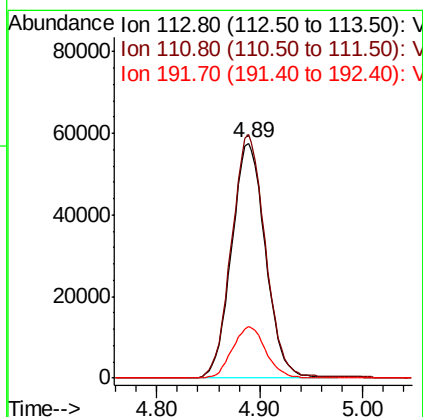
RT: 4.89 min Scan# 1337

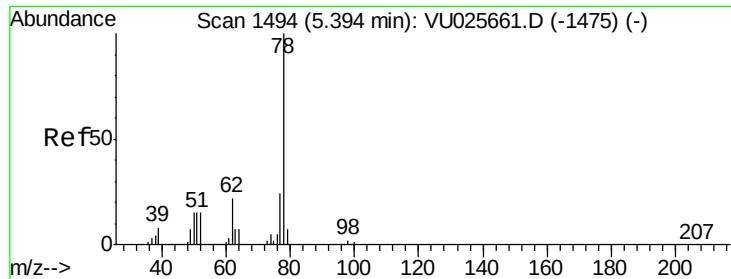
Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Tgt Ion:	113	Resp:	131380
Ion Ratio	Lower	Upper	
113	100		
111	103.6	81.7	122.5
192	21.7	17.1	25.7





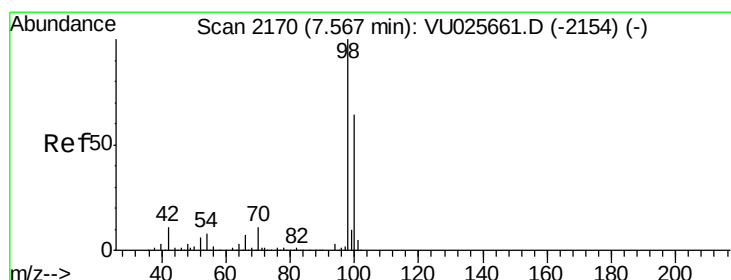
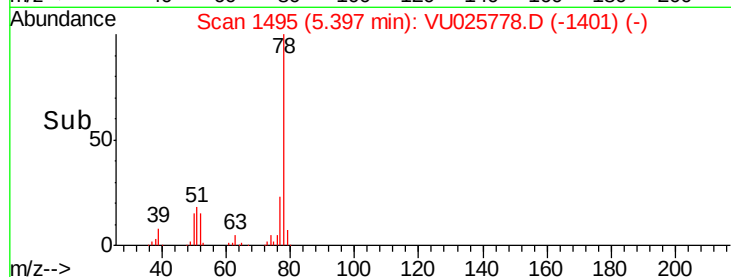
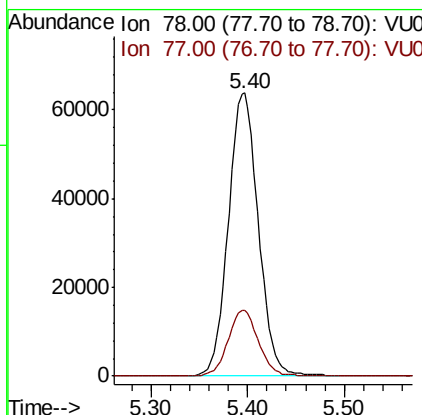
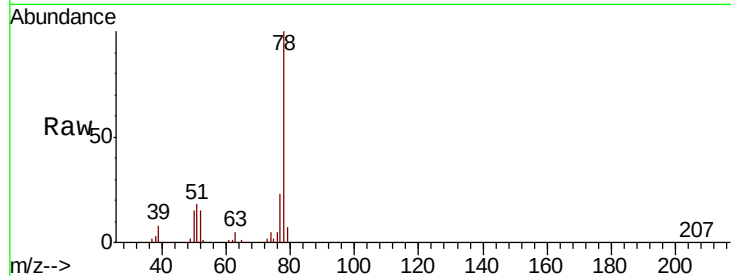
#40
Benzene
Concen: 12.296 ug/l
RT: 5.40 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
GW-04

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6

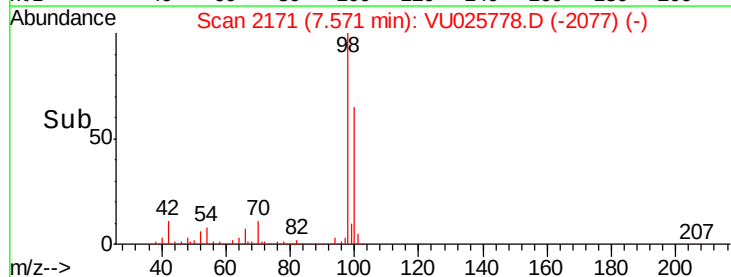
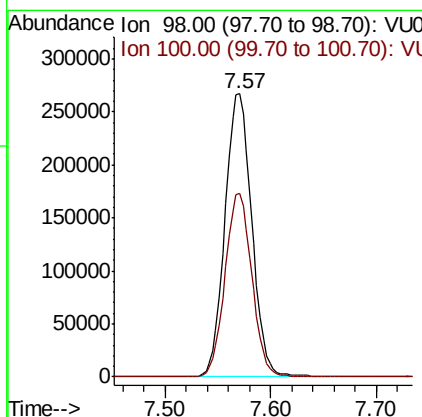
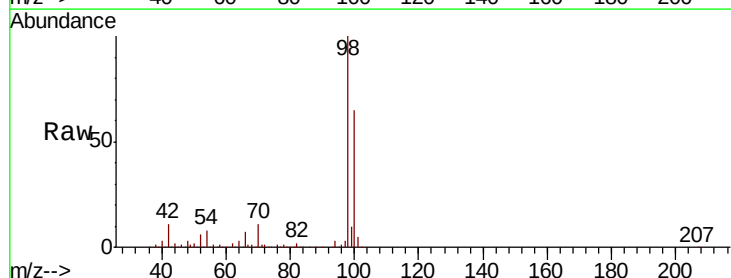
Manual Integrations
APPROVED

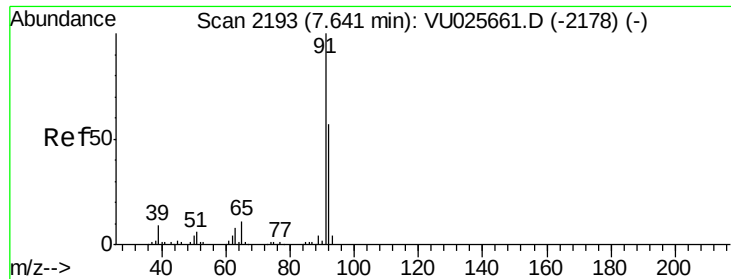
MMDadoda
8/2/2018 9:45:01 AM



#50
Toluene-d8
Concen: 47.256 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.1	76.7





#52

Toluene

Concen: 0.916 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

GW-04

Tot Ion: 92 Resp: 6357

Ion Ratio Lower Upper

92 100

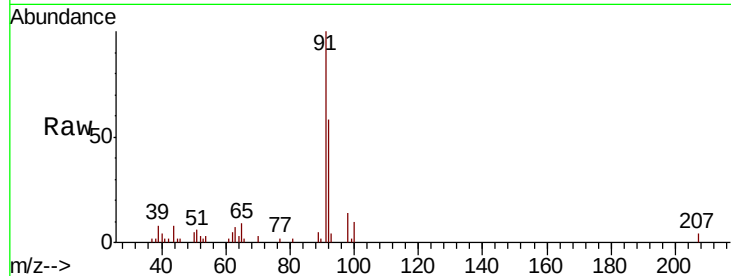
91 167.7 139.2 208.8

Manual Integrations

APPROVED

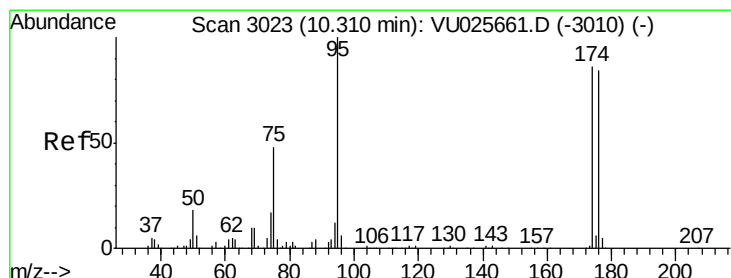
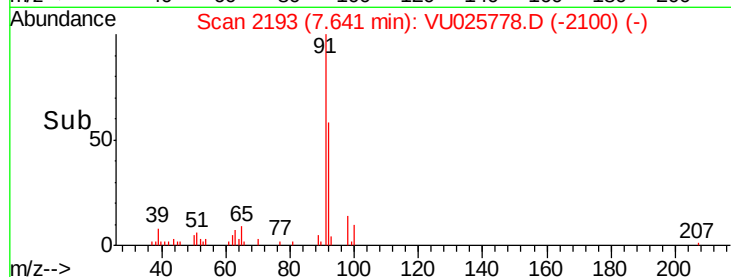
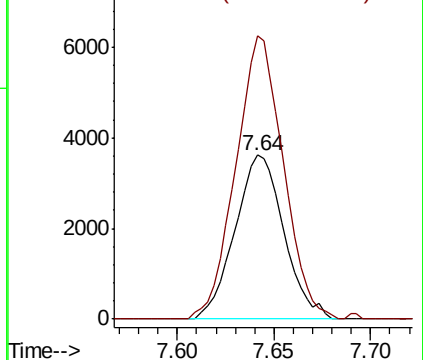
MMDadoda

8/2/2018 9:45:01 AM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.238 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

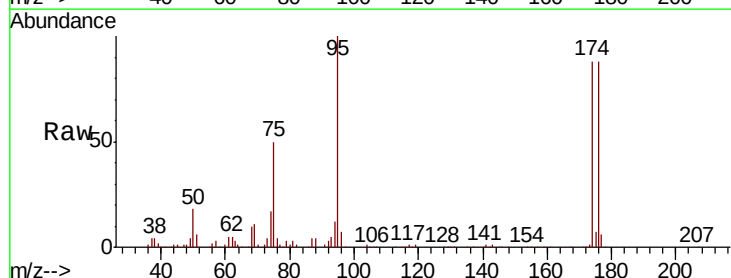
Tgt Ion: 95 Resp: 190173

Ion Ratio Lower Upper

95 100

174 87.0 0.0 172.2

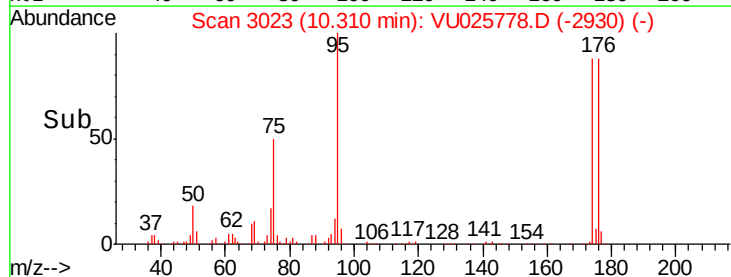
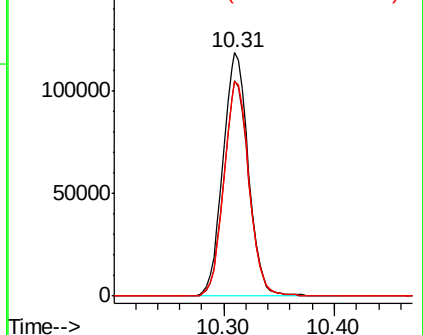
176 87.1 0.0 162.6

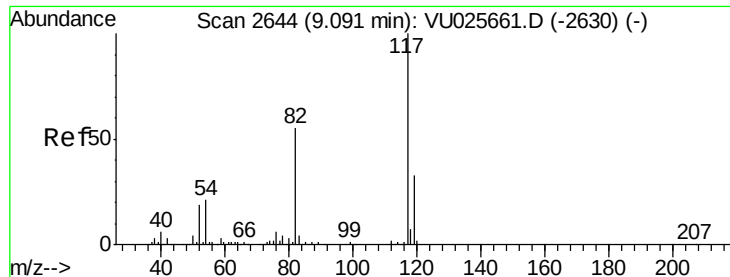


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





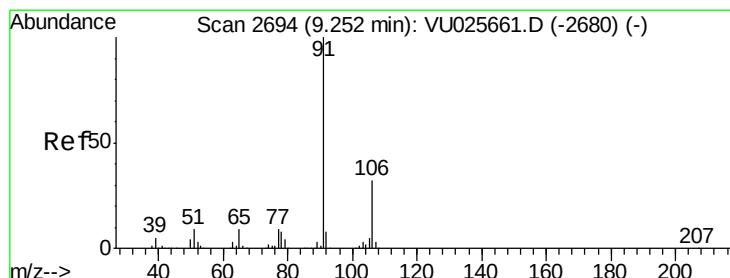
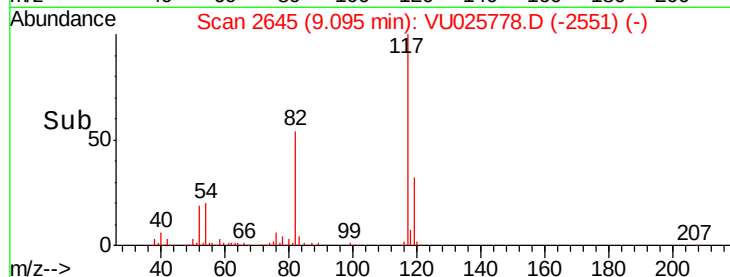
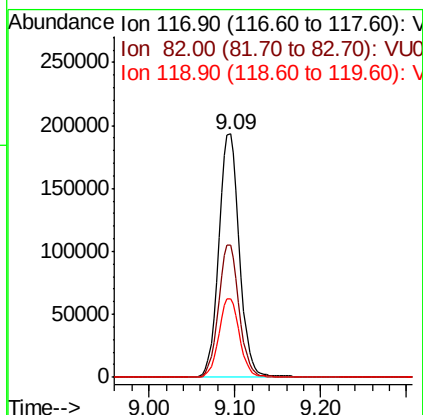
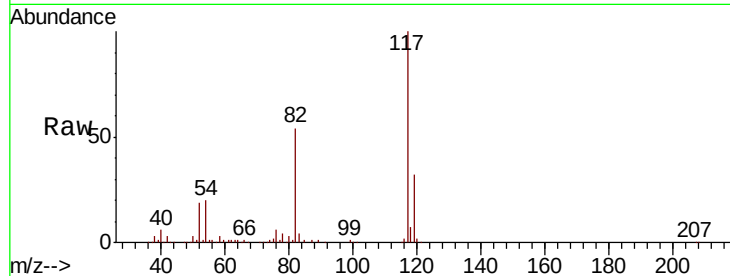
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampled :
GW-04

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	46.0	69.0
119	32.4	26.0	39.0

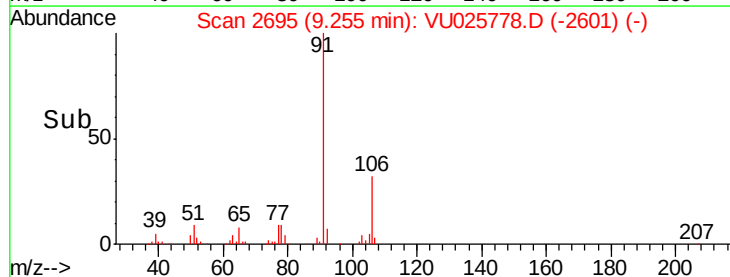
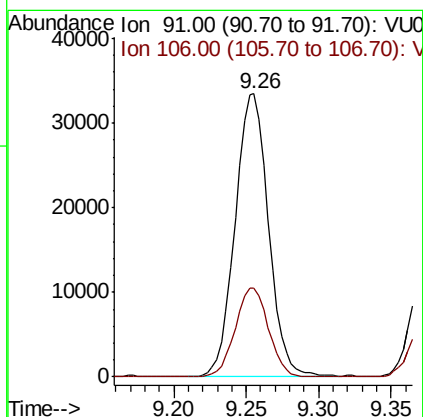
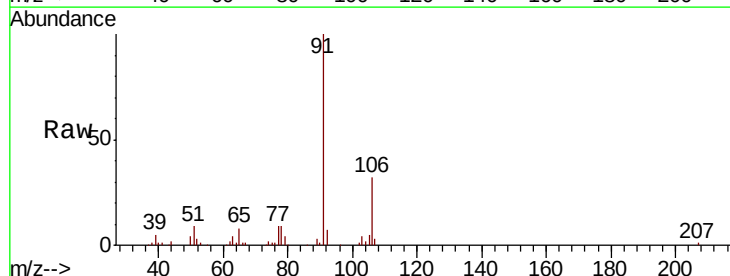
Manual Integrations
APPROVED

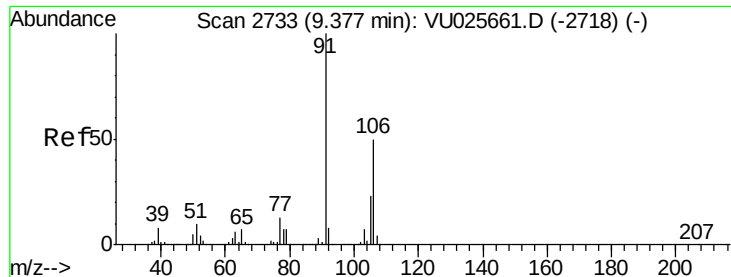
MMDadoda
8/2/2018 9:45:01 AM



#67
Ethyl Benzene
Concen: 3.901 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9





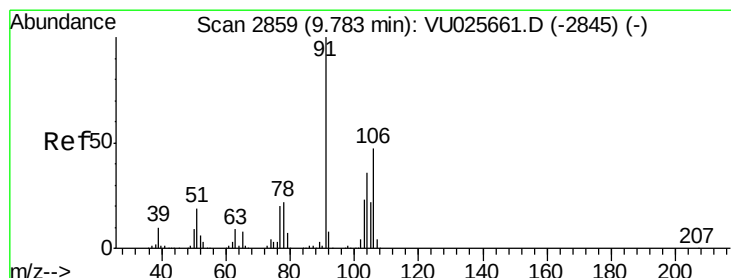
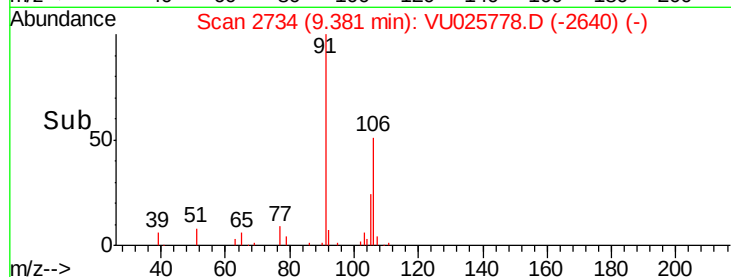
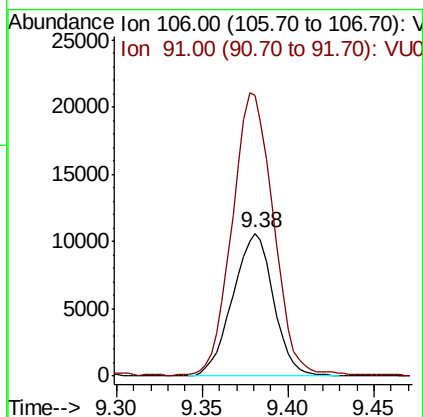
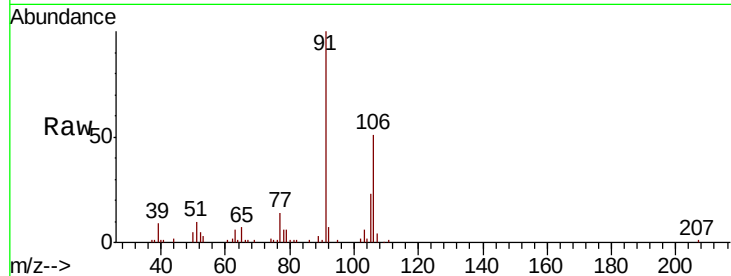
#68
m/p-Xylenes
Concen: 3.326 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampled :
GW-04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		17530		
91	202.5	162.3	243.5		

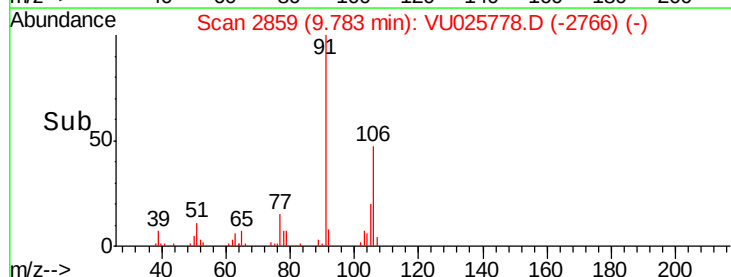
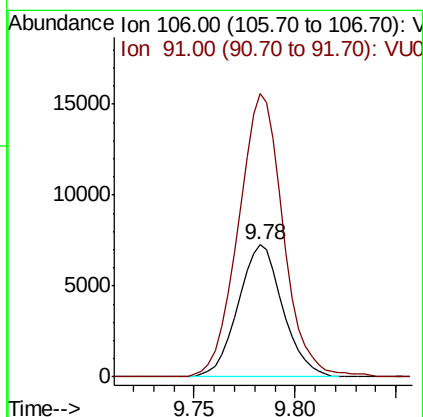
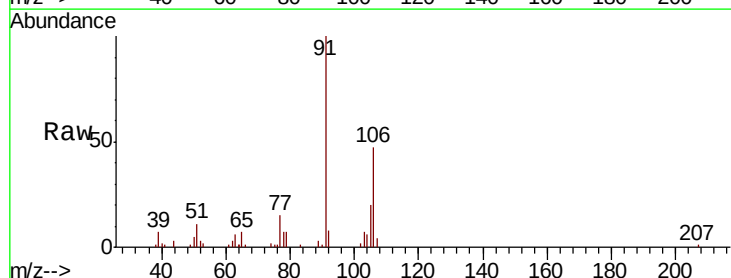
Manual Integrations
APPROVED

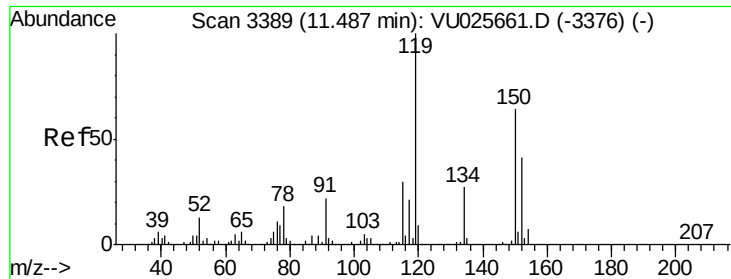
MMDadoda
8/2/2018 9:45:01 AM



#69
o-Xylene
Concen: 2.182 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		11242		
91	216.2	105.3	315.8		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Instrument :

MSVOA_U

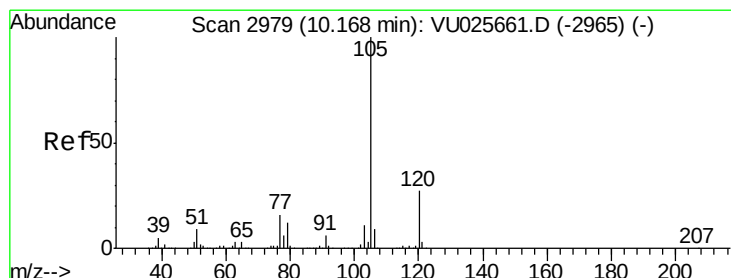
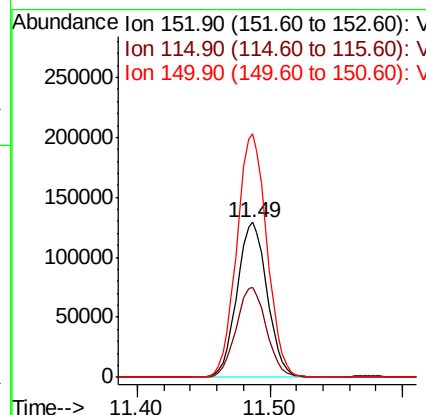
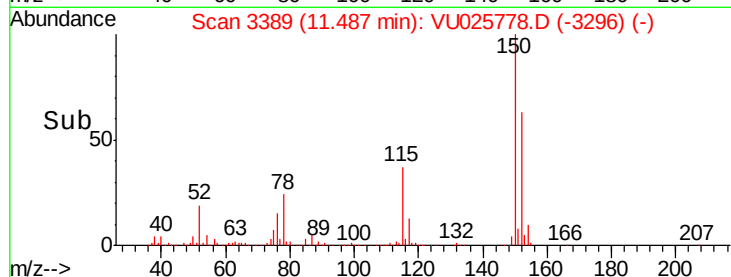
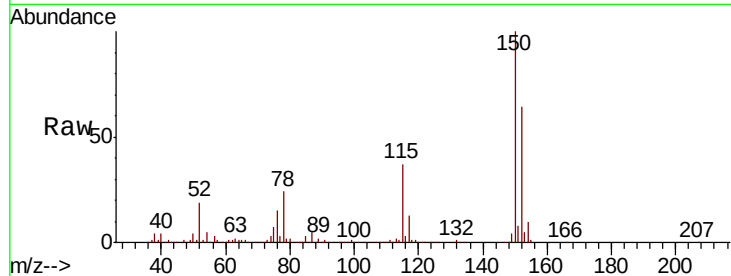
ClientSampled :

GW-04

Tot Ion:	152	Resp:	204385
Ion Ratio	Lower	Upper	
152	100		
115	57.1	40.1	120.3
150	156.9	0.0	351.4

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:01 AM



#73

Isopropylbenzene

Concen: 7.657 ug/l

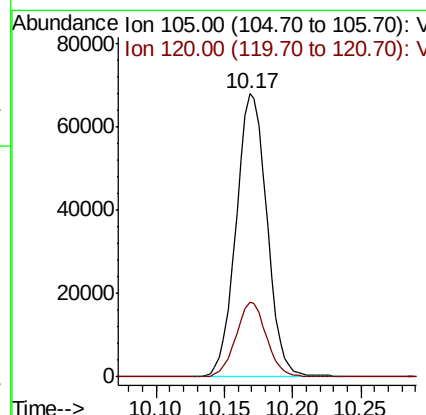
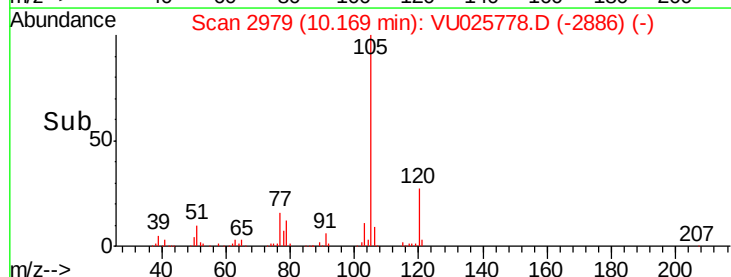
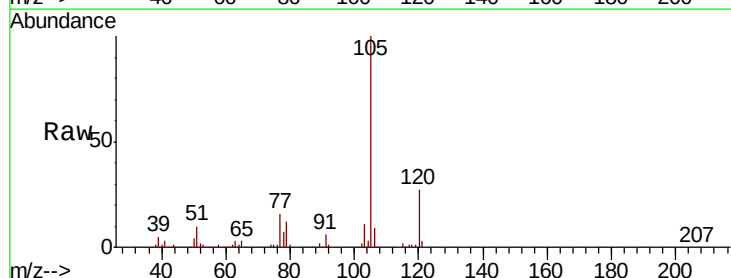
RT: 10.17 min Scan# 2979

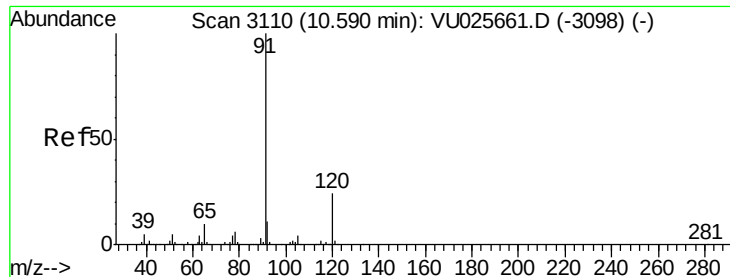
Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Tgt Ion:	105	Resp:	106819
Ion Ratio	Lower	Upper	
105	100		
120	26.1	13.5	40.5





#78

n-propylbenzene

Concen: 2.176 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025778.D

Acq: 01 Aug 2018 15:55

Instrument :

MSVOA_U

ClientSampled :

GW-04

Tot Ion: 91 Resp: 35426

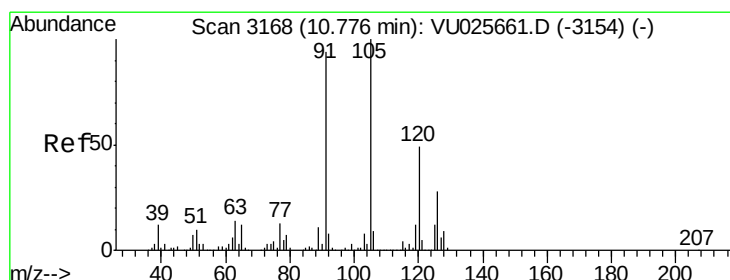
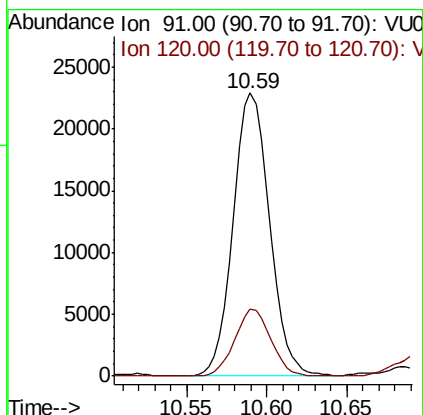
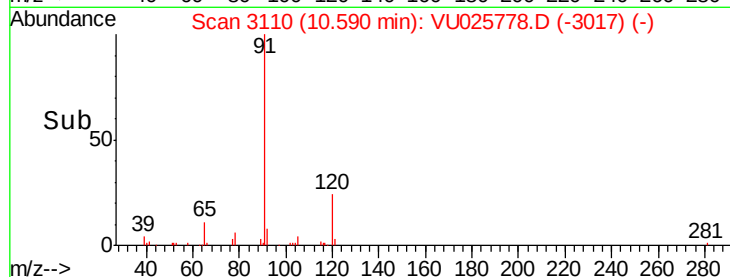
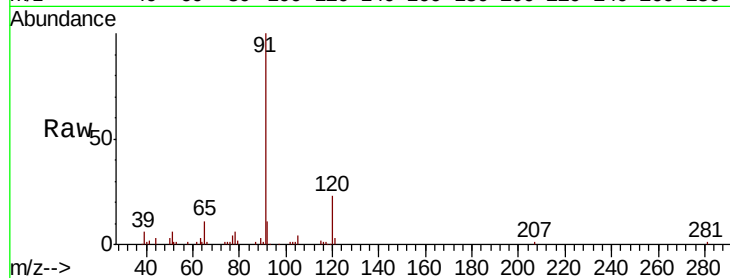
Ion Ratio Lower Upper

91 100

120 23.3 11.8 35.3

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 1.360 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025778.D

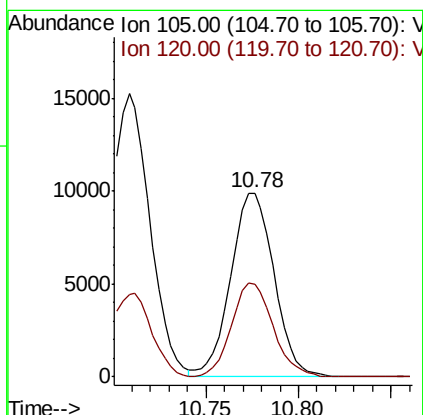
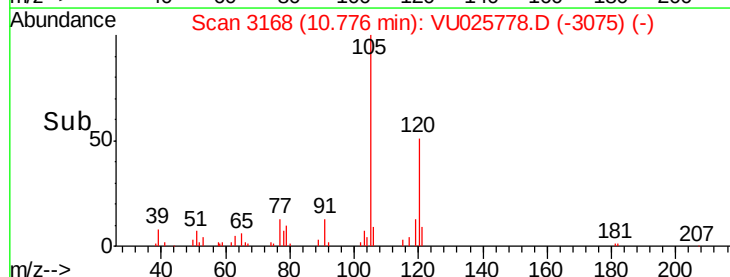
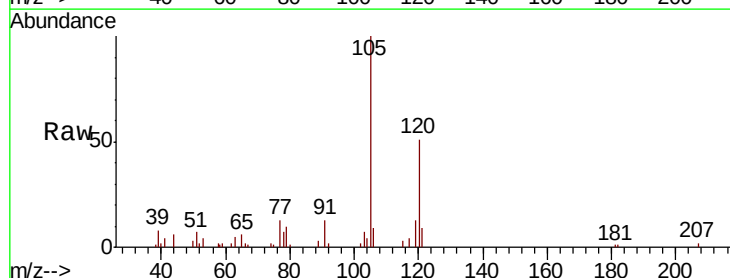
Acq: 01 Aug 2018 15:55

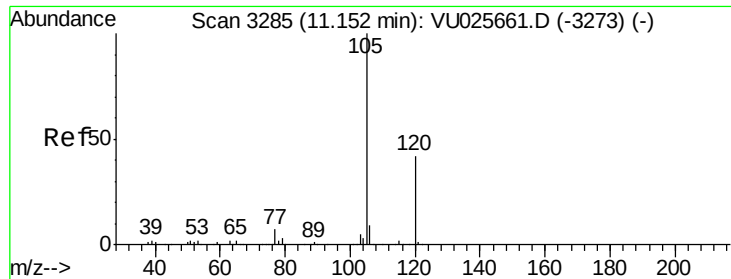
Tgt Ion: 105 Resp: 16110

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.2





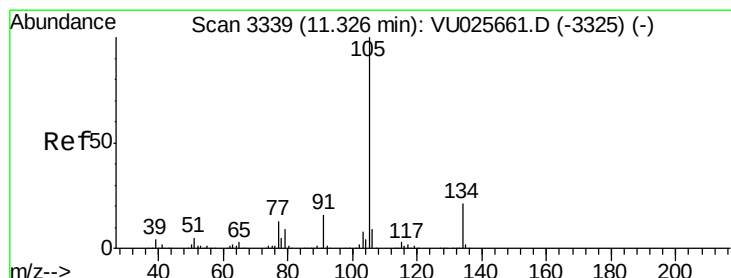
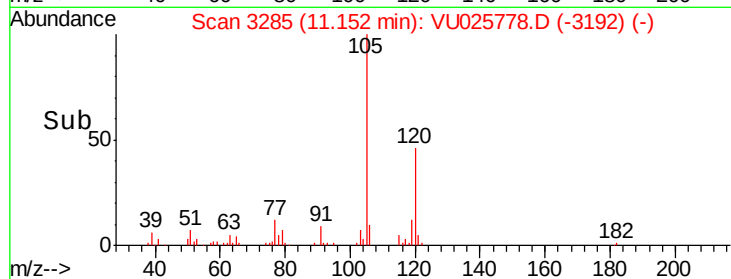
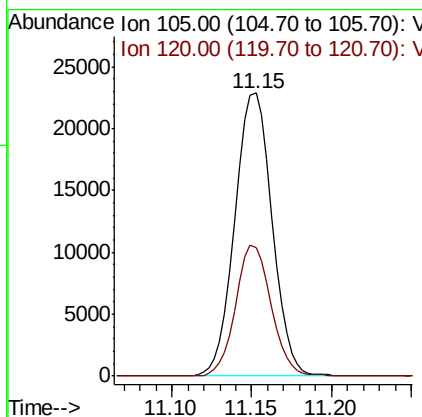
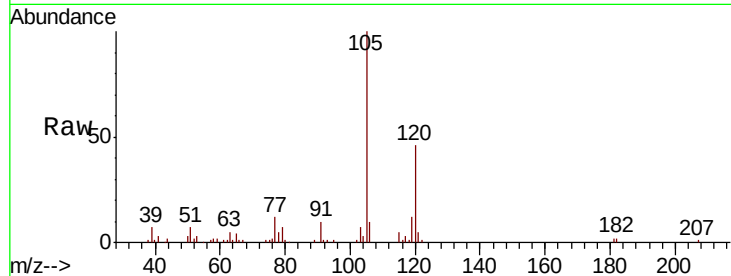
#84
 1,2,4-Trimethylbenzene
 Concen: 3.017 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025778.D
 Acq: 01 Aug 2018 15:55

Instrument :
 MSVOA_U
 ClientSampled :
 GW-04

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.8

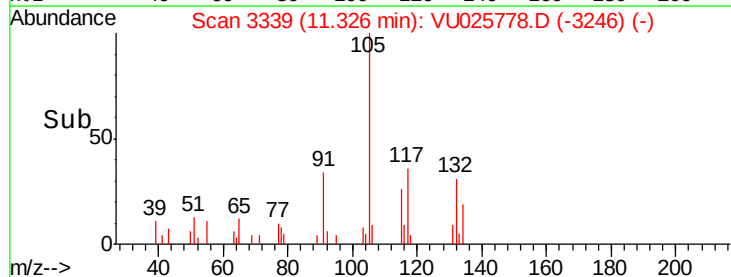
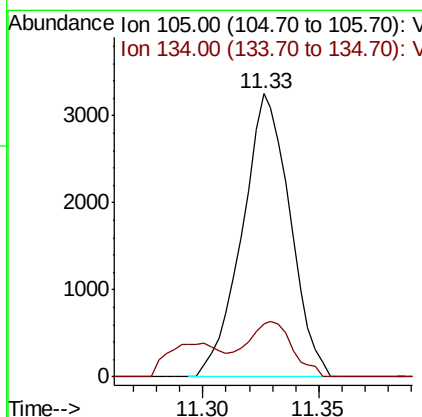
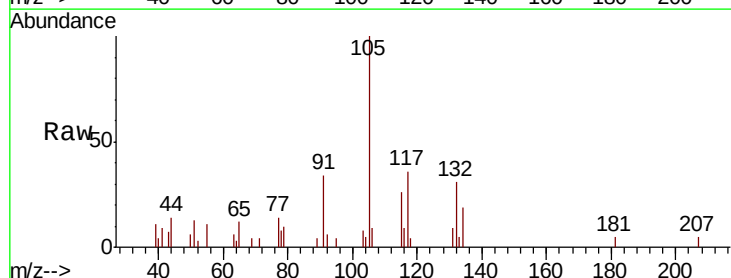
Manual Integrations
 APPROVED

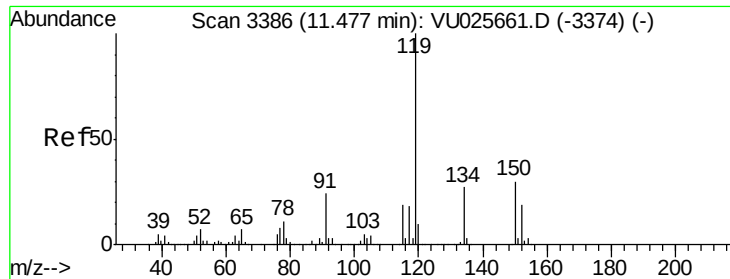
MMDadoda
 8/2/2018 9:45:01 AM



#85
 sec-Butylbenzene
 Concen: 0.325 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025778.D
 Acq: 01 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.8	10.3	30.8





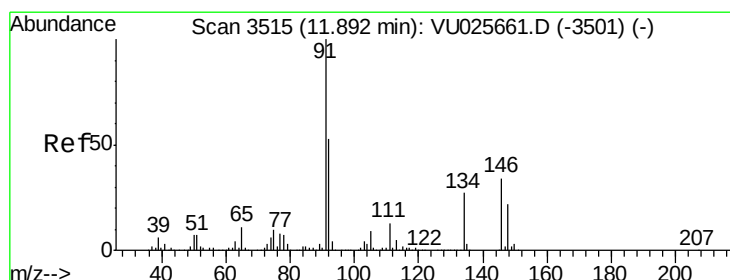
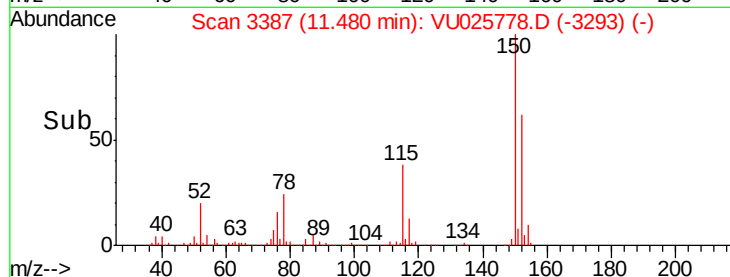
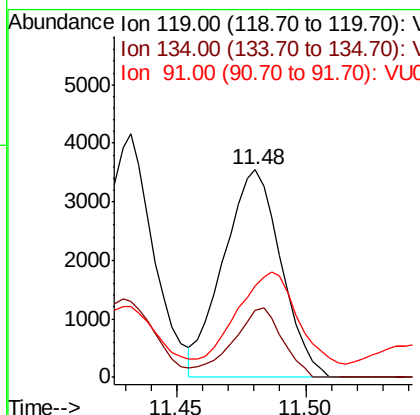
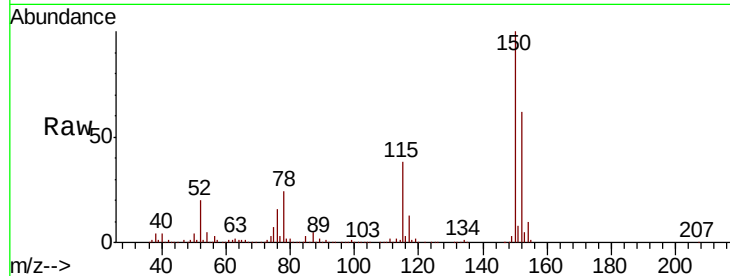
#86
p-Isopropyltoluene
Concen: 0.430 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampled :
GW-04

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.1	13.2	39.5
91	0.0	12.0	36.1

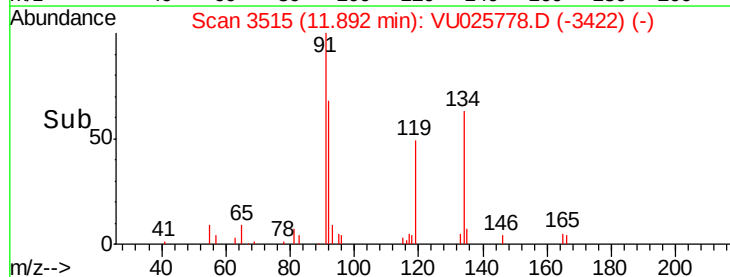
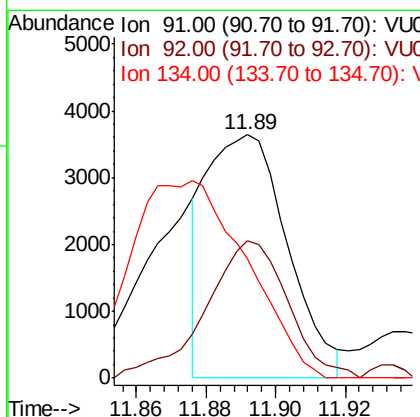
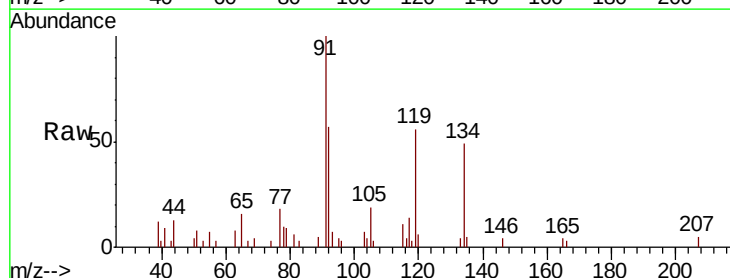
Manual Integrations
APPROVED

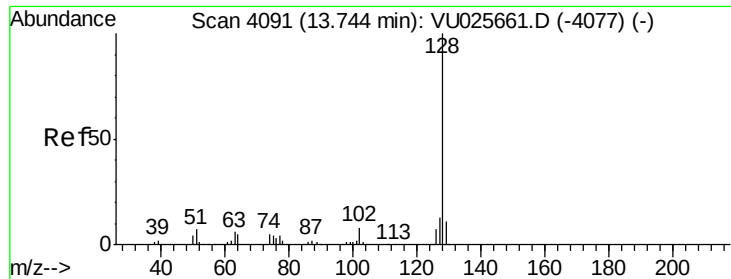
MMDadoda
8/2/2018 9:45:01 AM



#89
n-Butylbenzene
Concen: 0.497 ug/l m
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	602.0	26.5	79.5
134	211.8	13.6	40.7





#95
Naphthalene
Concen: 298.839 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025778.D
Acq: 01 Aug 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :
GW-04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:45:01 AM

