

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002170.D
 Acq On : 31 May 2018 07:03
 Operator : JC/MD
 Sample : J3185-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-34

Manual Integrations
 APPROVED

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 5/31/2018 3:07:51 PM

Quant Time: May 31 07:36:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	279567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	394736	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	355480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	176677	35.35	ug/l	0.00
Spiked Amount			Recovery	=	70.70%	
35) Dibromofluoromethane	5.51	113	131603	33.34	ug/l	0.00
Spiked Amount			Recovery	=	66.68%	
50) Toluene-d8	8.72	98	521318	36.48	ug/l	0.00
Spiked Amount			Recovery	=	72.96%	
62) 4-Bromofluorobenzene	11.14	95	186771	33.40	ug/l	0.00
Spiked Amount			Recovery	=	66.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	8900	4.61	ug/l	100
31) Cyclohexane	5.58	56	109751	15.94	ug/l	96
39) Methylcyclohexane	7.46	83	129920	19.26	ug/l	99
40) Benzene	6.15	78	6568	0.41	ug/l	95
52) Toluene	8.79	92	3831	0.37	ug/l	98
67) Ethyl Benzene	10.26	91	5567	0.28	ug/l	91
68) m/p-Xylenes	10.37	106	1615	0.22	ug/l	78
69) o-Xylene	10.70	106	5102	0.68	ug/l	99
73) Isopropylbenzene	11.02	105	98794	5.84	ug/l	99
78) n-propylbenzene	11.37	91	104516	5.52	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	6067	0.42	ug/l	96
83) tert-Butylbenzene	11.77	119	11997	0.85	ug/l	87
85) sec-Butylbenzene	11.95	105	30816	1.81	ug/l	94
89) n-Butylbenzene	12.39	91	17653m	1.37	ug/l	

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

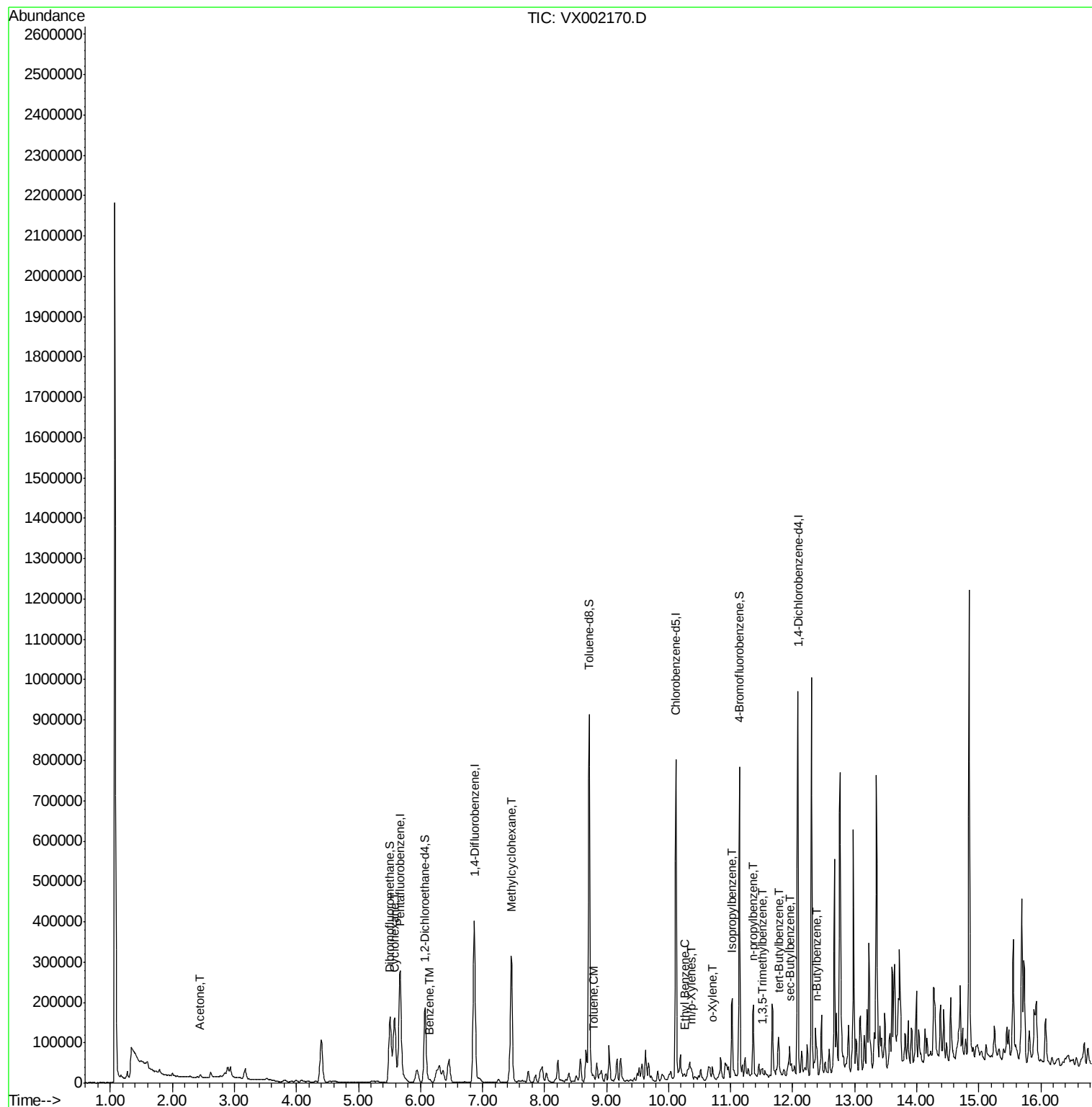
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
Data File : VX002170.D
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Quant Time: May 31 07:36:01 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

ClientSampleId :

MW-34

Tot Ion:168 Resp: 279567

Ion Ratio Lower Upper

168 100

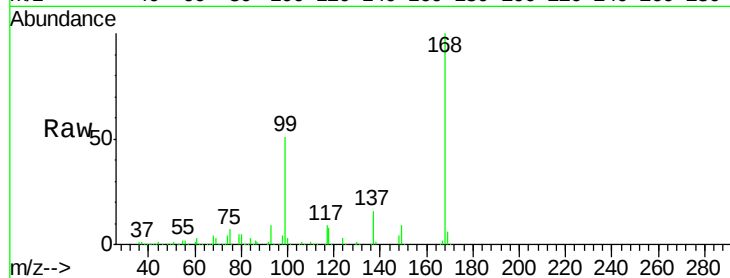
99 50.7 41.0 61.4

Manual Integrations

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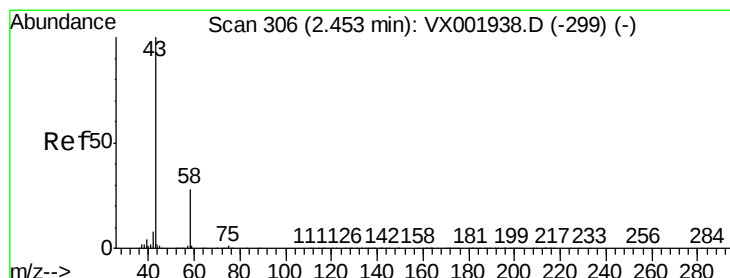
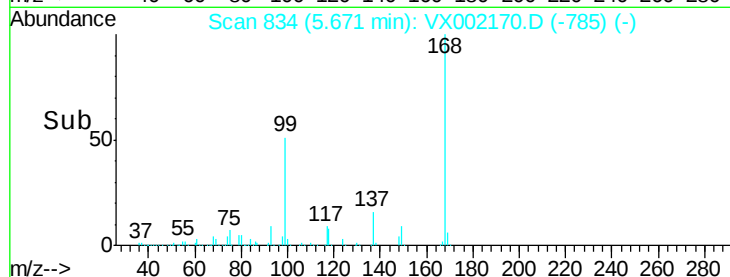
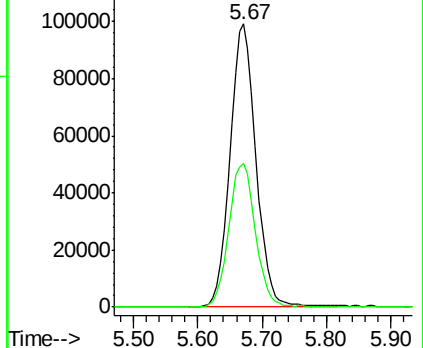
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 4.61 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002170.D

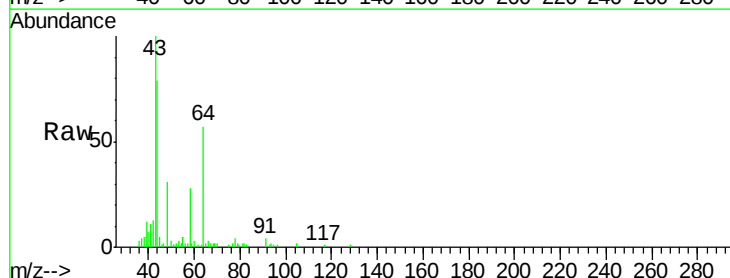
Acq: 31 May 2018 07:03

Tgt Ion: 43 Resp: 8900

Ion Ratio Lower Upper

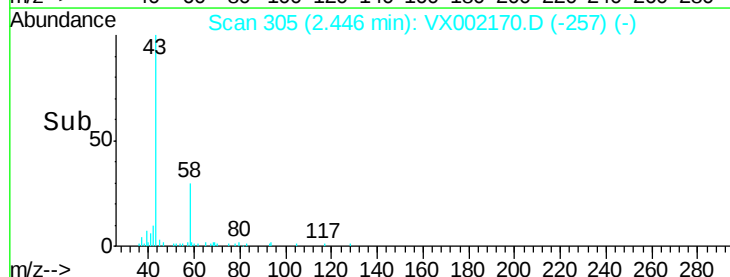
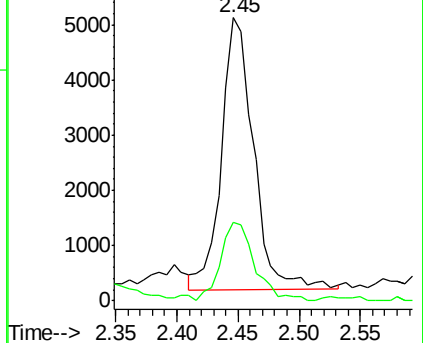
43 100

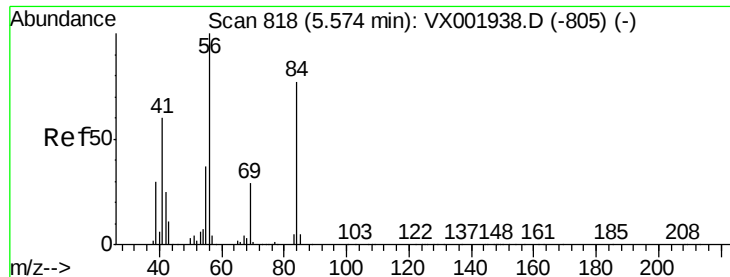
58 28.1 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 15.94 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

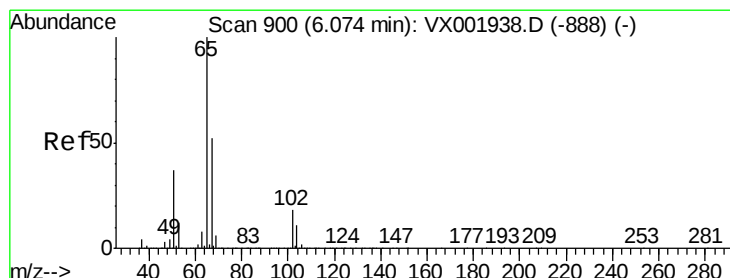
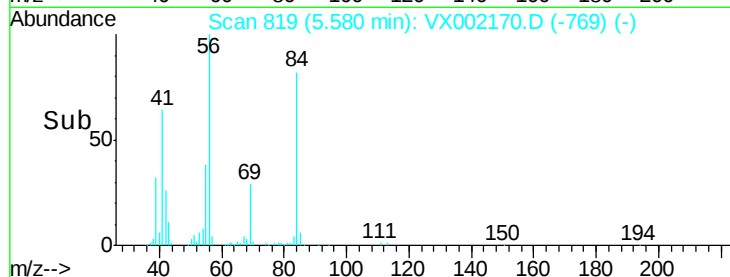
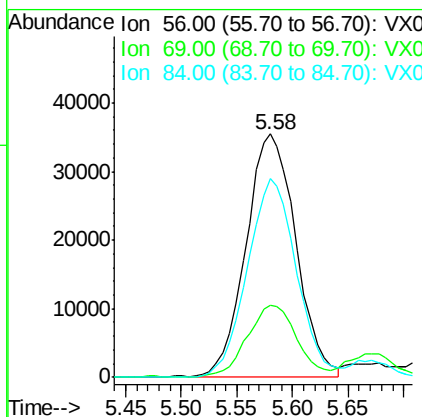
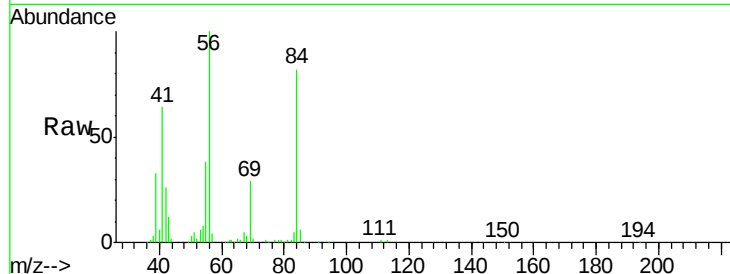
ClientSampleId :

MW-34

Tot Ion:	56	Resp:	109751
Ion Ratio	Lower	Upper	
56	100		
69	29.2	23.1	34.7
84	82.0	62.0	93.0

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#33

1,2-Dichloroethane-d4

Concen: 35.35 ug/l

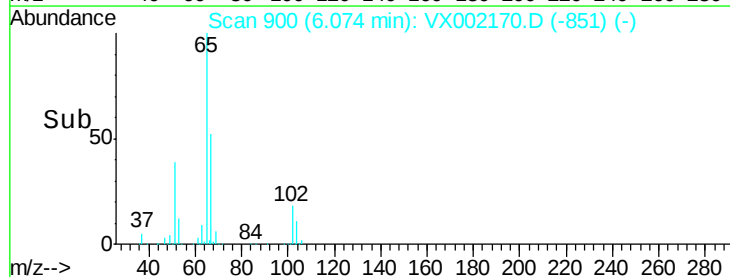
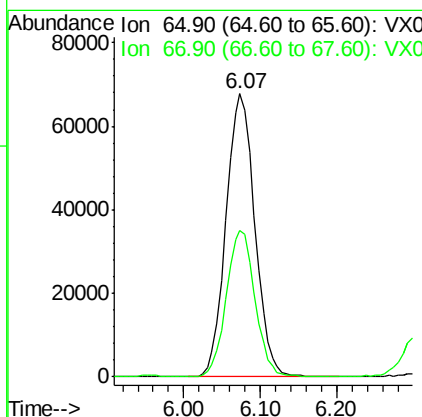
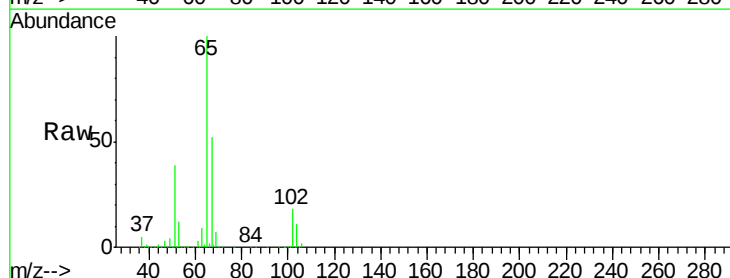
RT: 6.07 min Scan# 900

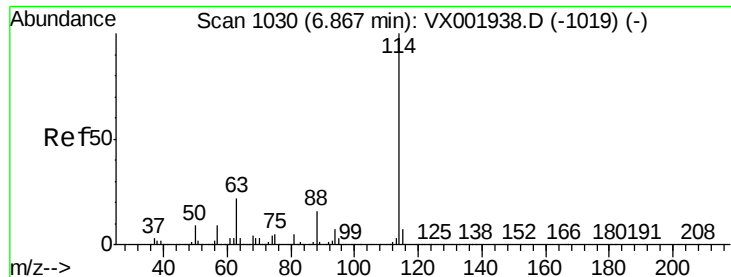
Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Tgt Ion:	65	Resp:	176677
Ion Ratio	Lower	Upper	
65	100		
67	51.6	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

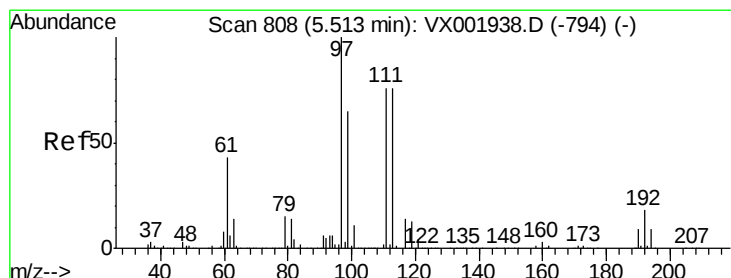
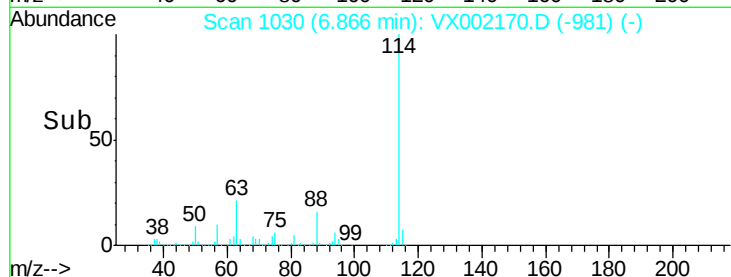
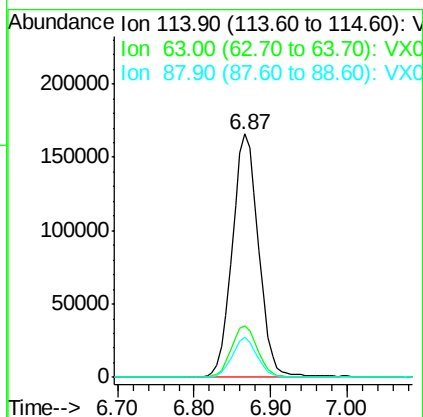
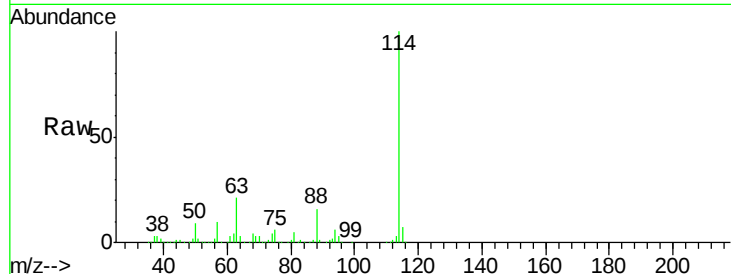
ClientSampleId :

MW-34

Tot Ion:	114	Resp:	394736
Ion Ratio		Lower	Upper
114	100		
63	21.4	0.0	43.2
88	16.3	0.0	31.6

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#35

Dibromofluoromethane

Concen: 33.34 ug/l

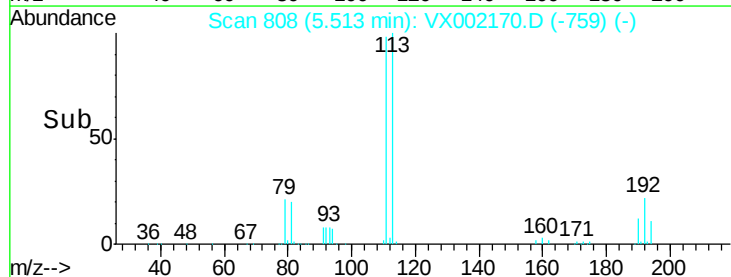
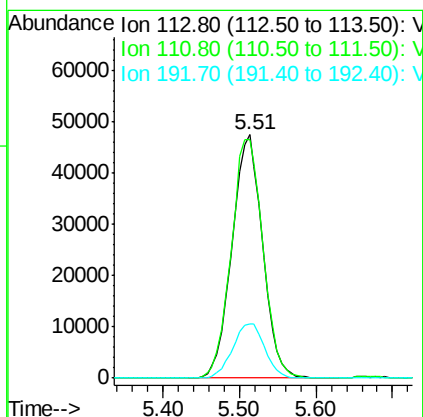
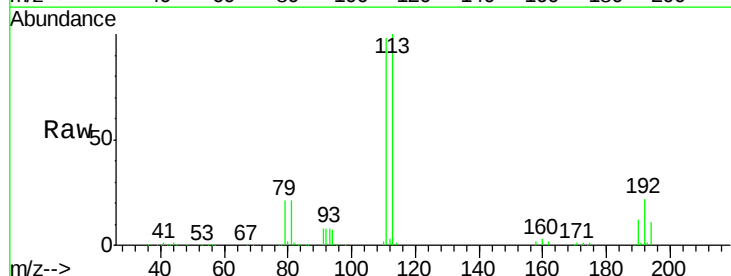
RT: 5.51 min Scan# 808

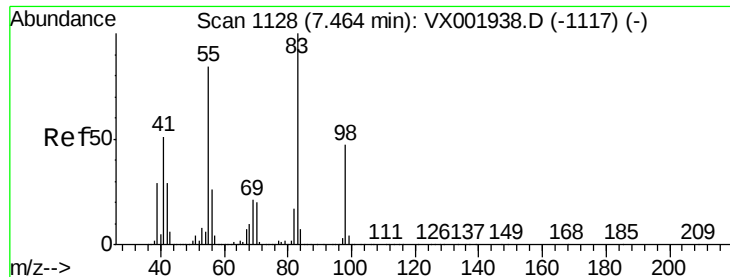
Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Tgt Ion:	113	Resp:	131603
Ion Ratio		Lower	Upper
113	100		
111	101.9	82.0	123.0
192	23.5	18.9	28.3





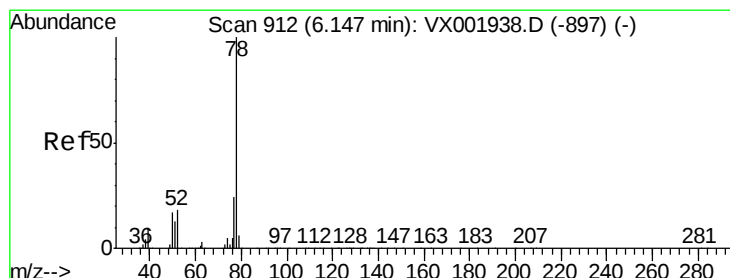
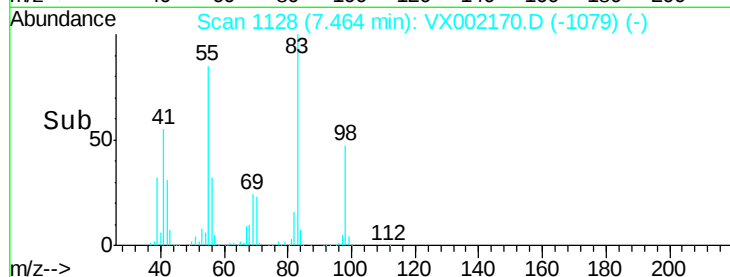
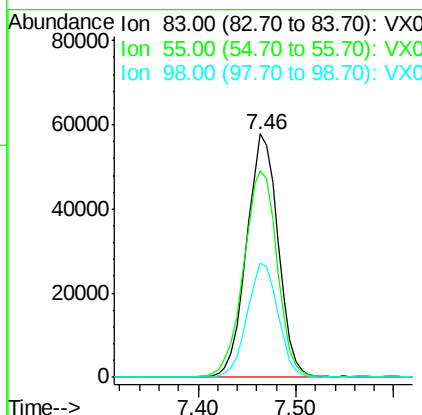
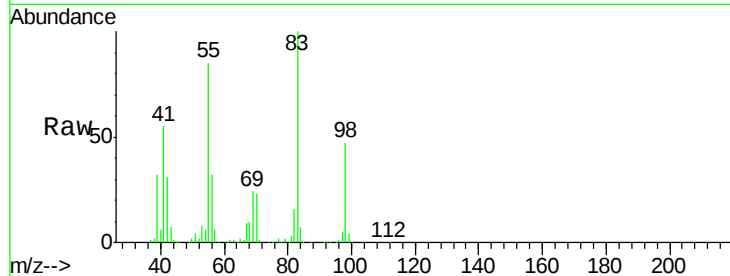
#39
Methvlcvclohexane
Concen: 19.26 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002170.D
Acq: 31 May 2018 07:03

Instrument :
MSVOA_X
ClientSampled :
MW-34

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129920		
55	84.9	67.3	100.9	
98	47.0	37.5	56.3	

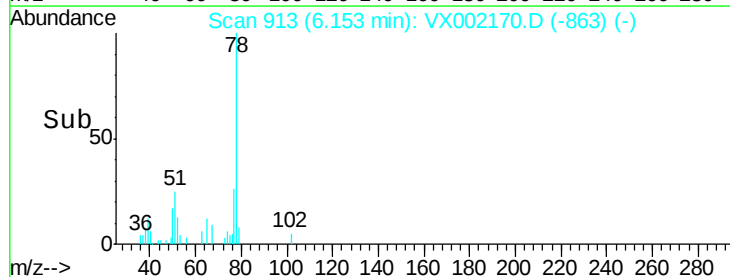
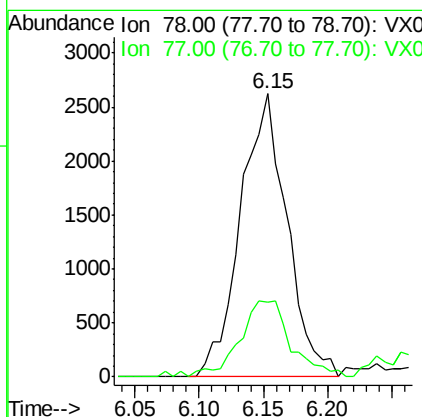
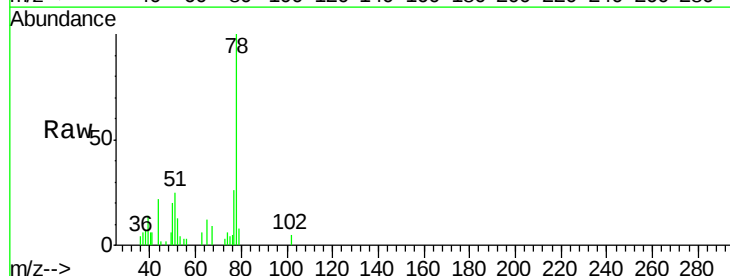
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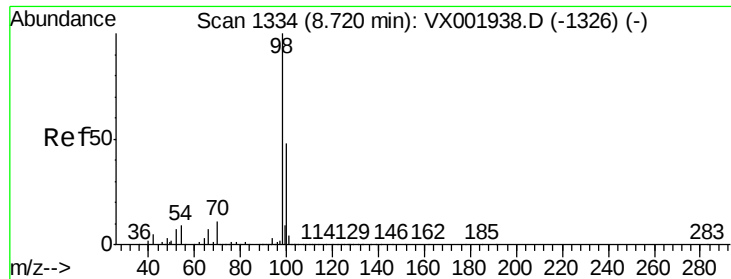
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#40
Benzene
Concen: 0.41 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002170.D
Acq: 31 May 2018 07:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	6568		
77	26.3	19.1	28.7	





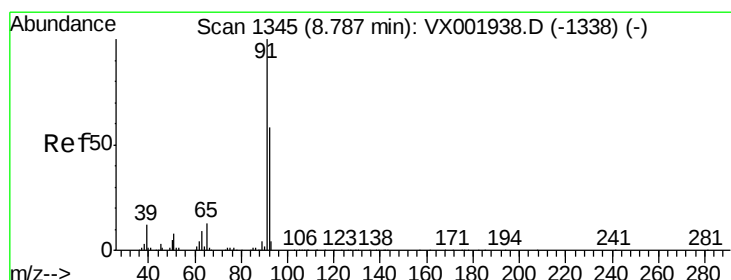
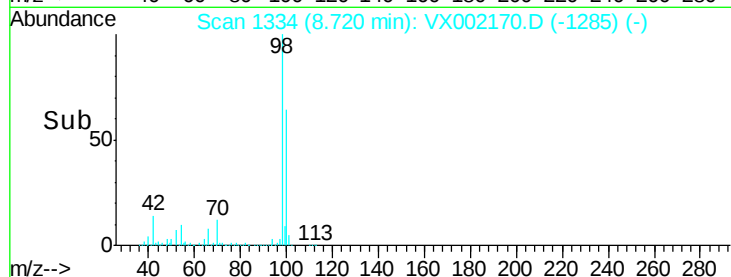
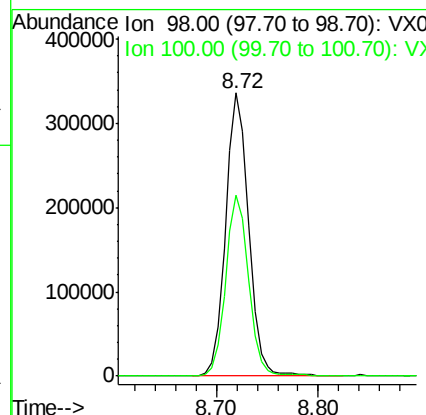
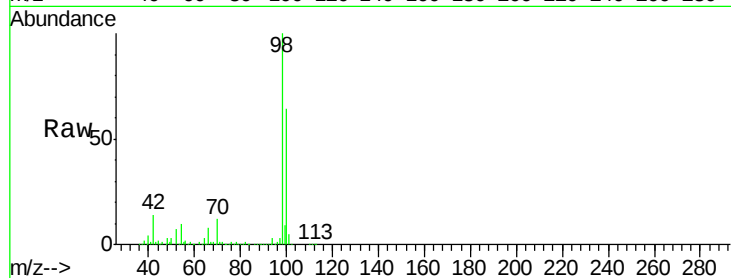
#50
Toluene-d8
Concen: 36.48 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002170.D
Acq: 31 May 2018 07:03

Instrument :
MSVOA_X
ClientSampleId :
MW-34

Tot Ion	98	Resp	521318
Ion Ratio	100	Lower	Upper
98	100		
100	64.6	51.5	77.3

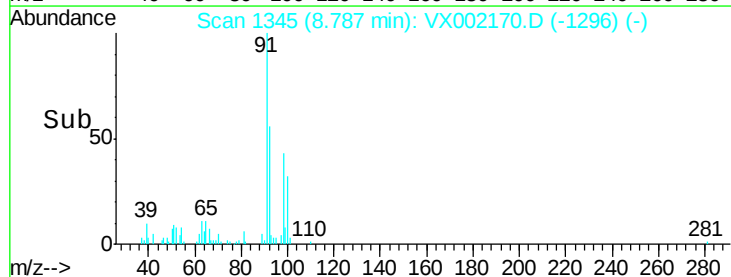
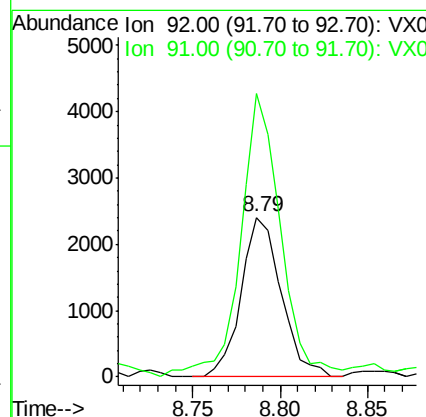
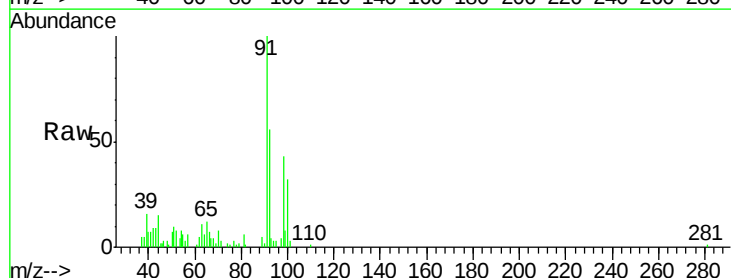
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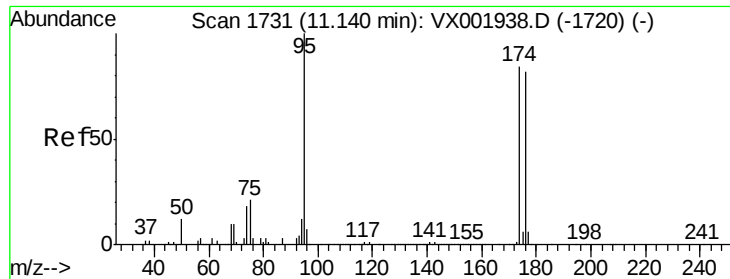
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#52
Toluene
Concen: 0.37 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002170.D
Acq: 31 May 2018 07:03

Tgt Ion	92	Resp	3831
Ion Ratio	100	Lower	Upper
92	100		
91	177.5	139.4	209.2





#62

4-Bromofluorobenzene

Concen: 33.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

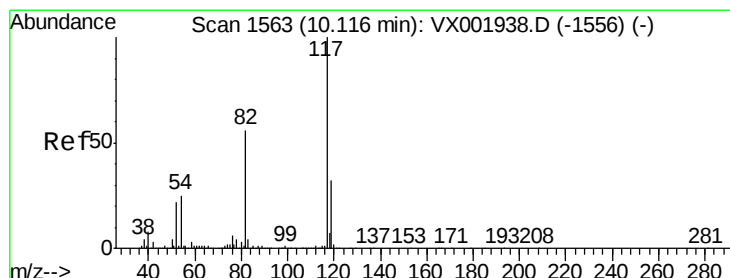
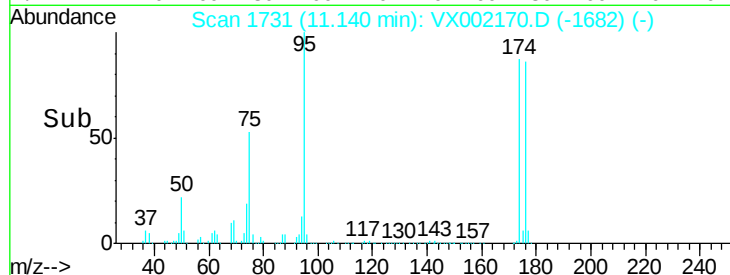
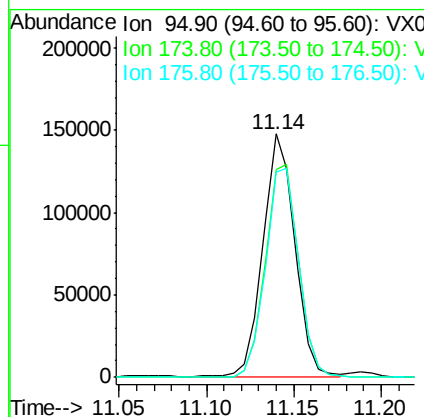
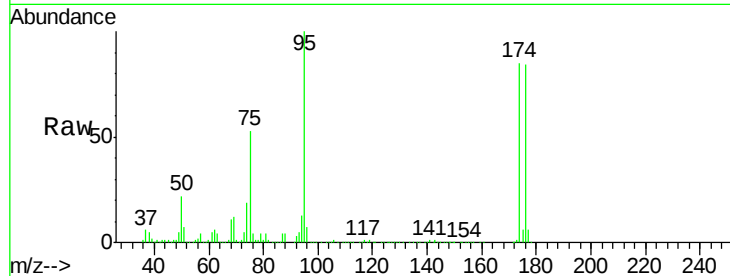
ClientSampleId :

MW-34

Tot Ion:	95	Resp:	186771
Ion Ratio	Lower	Upper	
95	100		
174	91.3	0.0	178.8
176	89.8	0.0	175.6

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

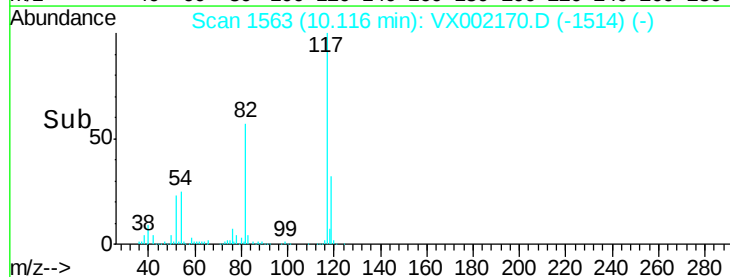
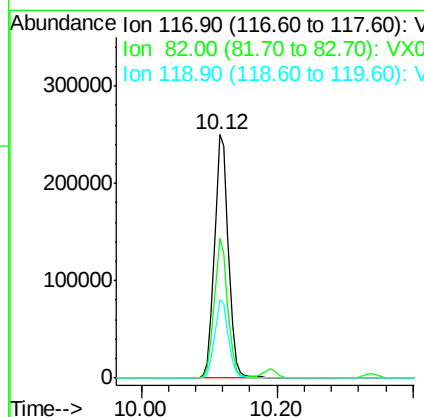
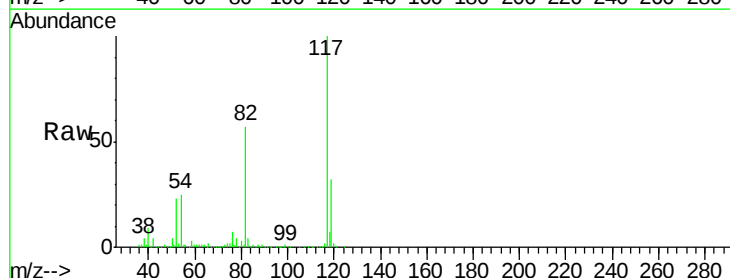
RT: 10.12 min Scan# 1563

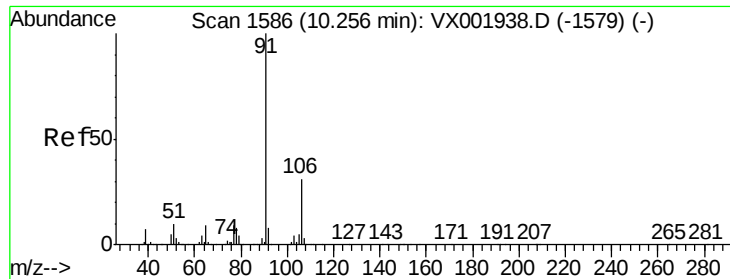
Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Tgt Ion:	117	Resp:	355480
Ion Ratio	Lower	Upper	
117	100		
82	57.4	44.8	67.2
119	32.3	25.5	38.3





#67

Ethyl Benzene

Concen: 0.28 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

ClientSampled :

MW-34

Tot Ion: 91 Resp: 5567

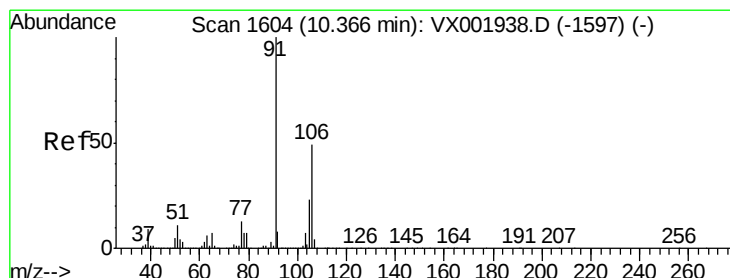
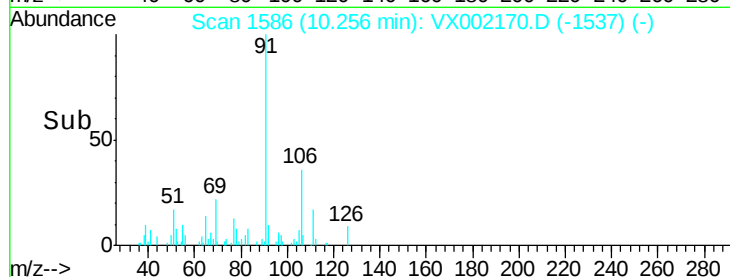
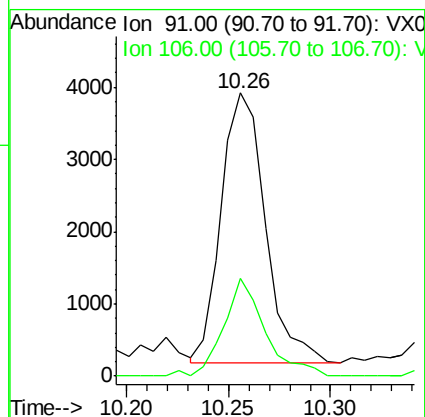
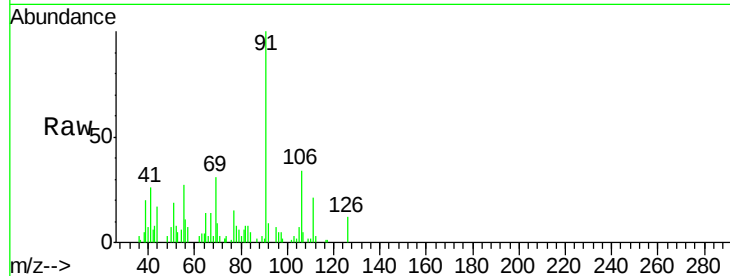
Ion Ratio Lower Upper

91 100

106 36.2 25.0 37.6

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#68

m/p-Xylenes

Concen: 0.22 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VX002170.D

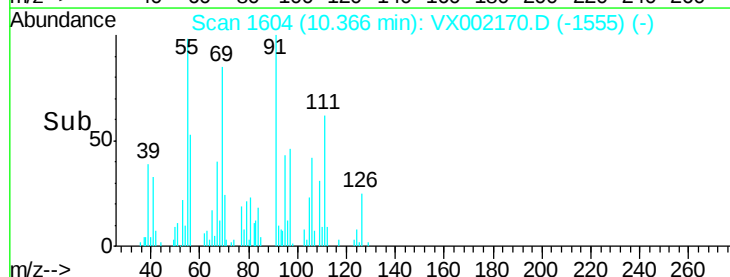
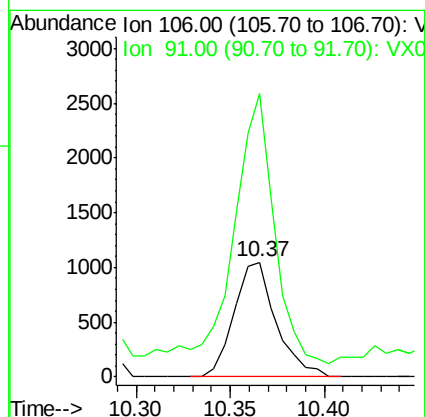
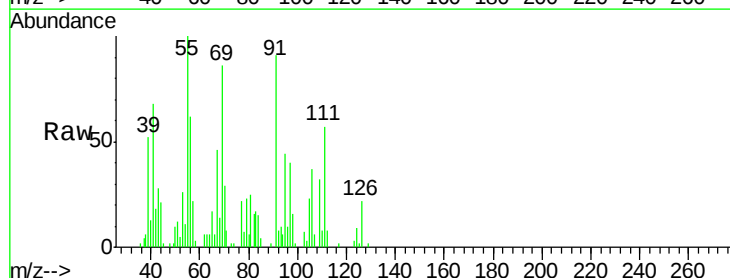
Acq: 31 May 2018 07:03

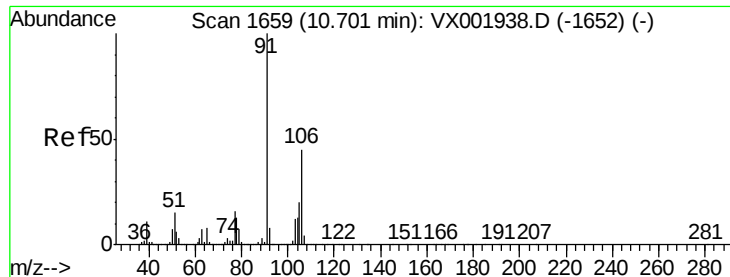
Tgt Ion: 106 Resp: 1615

Ion Ratio Lower Upper

106 100

91 239.6 165.0 247.6





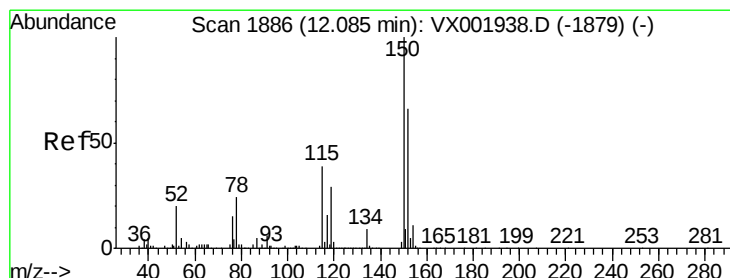
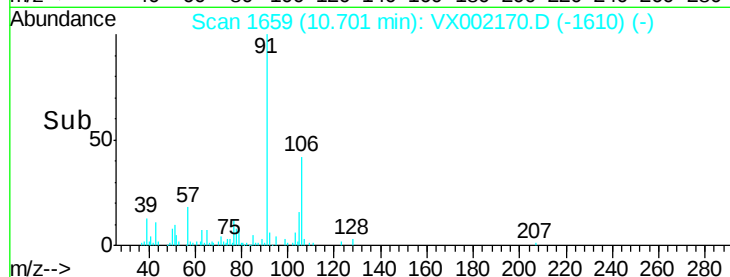
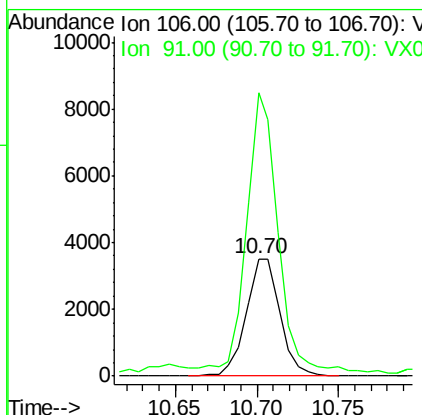
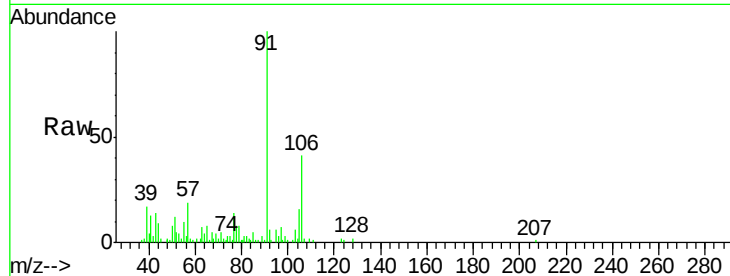
#69
o-Xylene
Concen: 0.68 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002170.D
Acq: 31 May 2018 07:03

Instrument :
MSVOA_X
ClientSampled :
MW-34

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.6	108.7	325.9

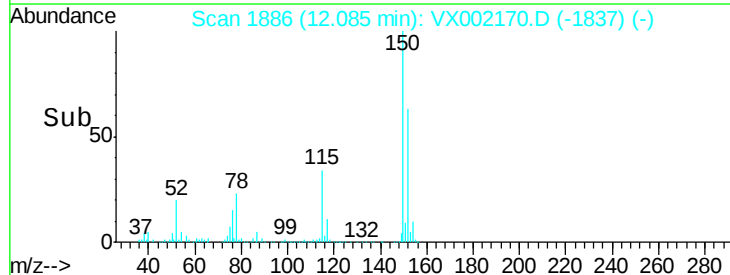
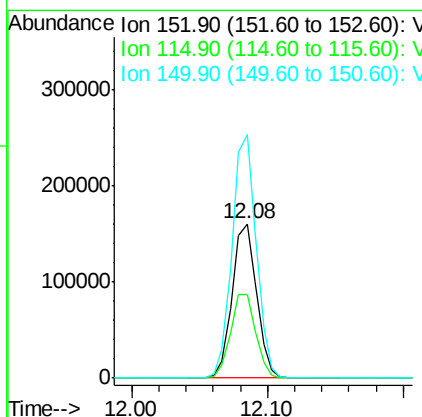
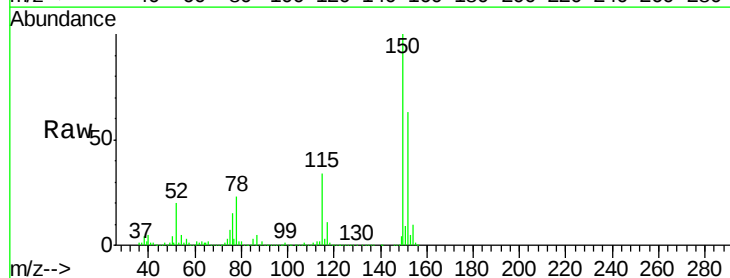
Manual Integrations
APPROVED

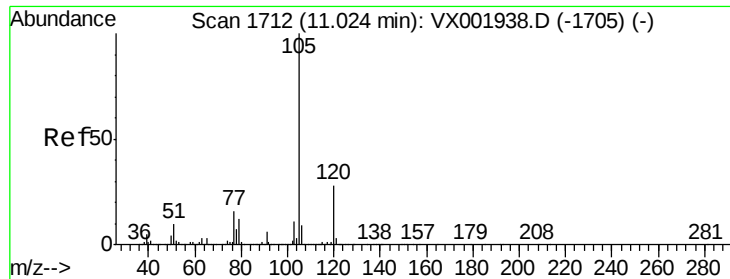
MMDadoda
5/31/2018 3:07:51 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002170.D
Acq: 31 May 2018 07:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	42.3	126.8
150	156.8	0.0	351.0





#73

Isopropylbenzene

Concen: 5.84 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

ClientSampleId :

MW-34

Tot Ion:105 Resp: 98794

Ion Ratio Lower Upper

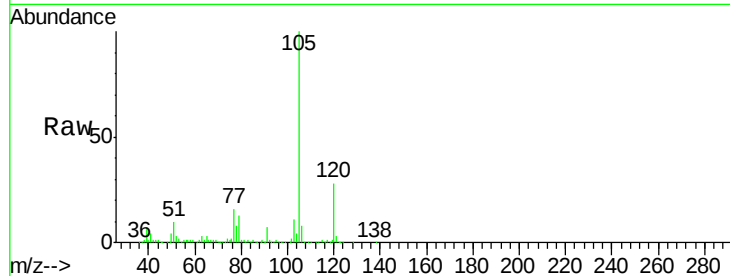
105 100

120 27.5 13.6 40.7

Manual Integrations
APPROVED

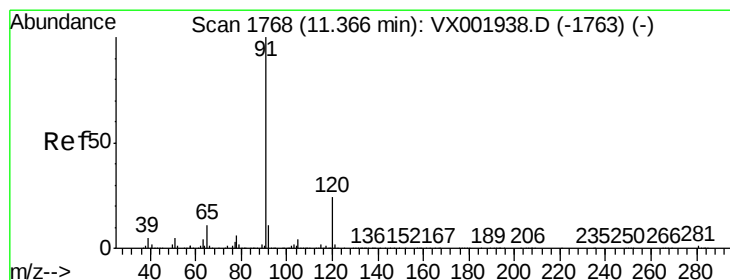
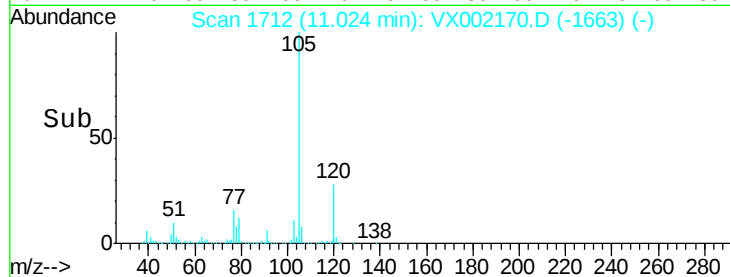
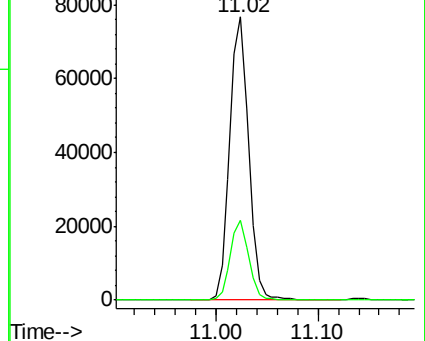
MMDadoda

5/31/2018 3:07:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 5.52 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002170.D

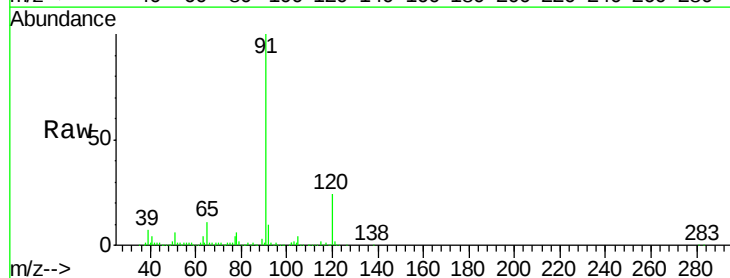
Acq: 31 May 2018 07:03

Tgt Ion: 91 Resp: 104516

Ion Ratio Lower Upper

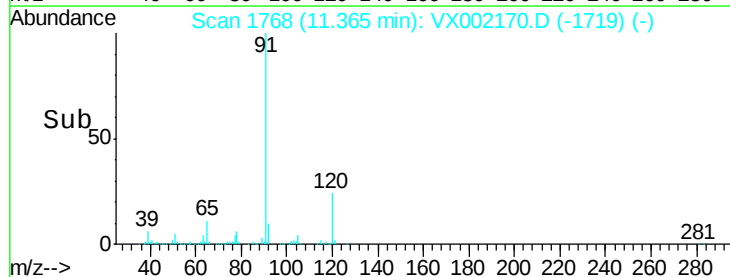
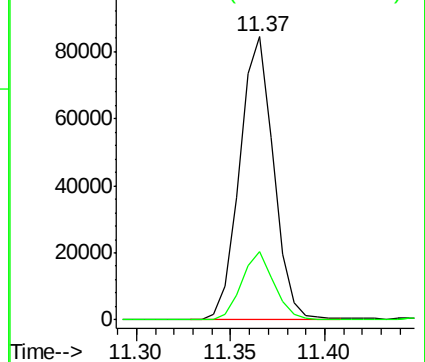
91 100

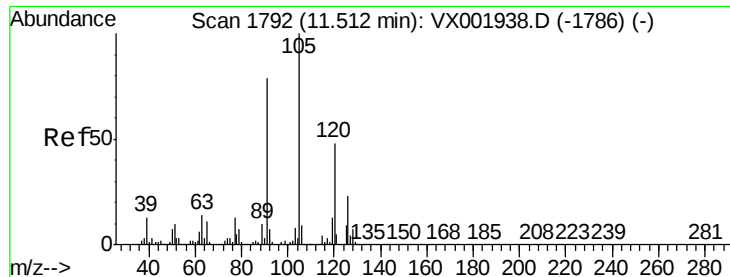
120 23.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





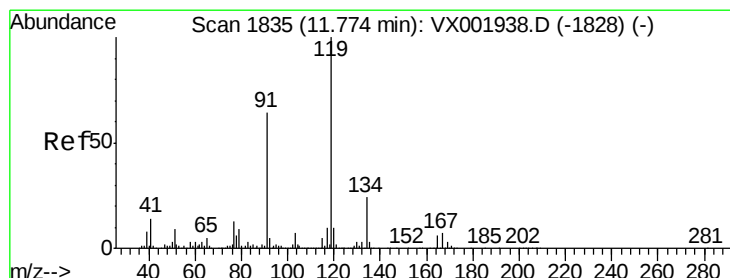
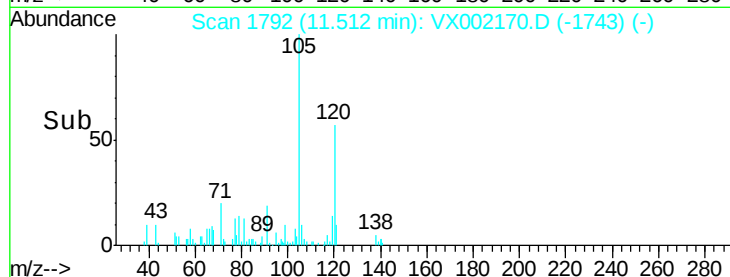
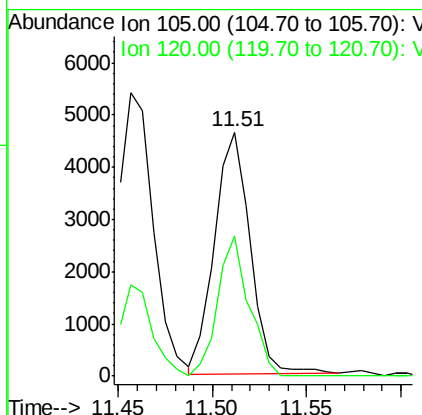
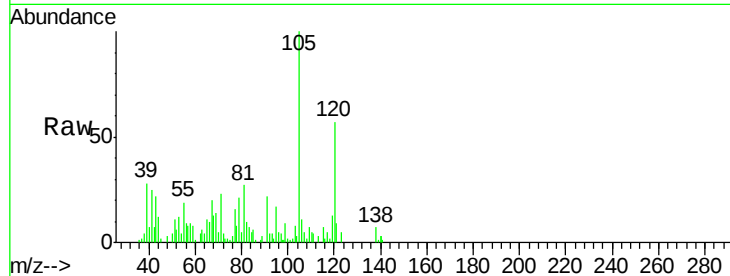
#80
 1,3,5-Trimethylbenzene
 Concen: 0.42 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX002170.D
 Acq: 31 May 2018 07:03

Instrument :
 MSVOA_X
 ClientSampled :
 MW-34

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.0	24.1	72.4

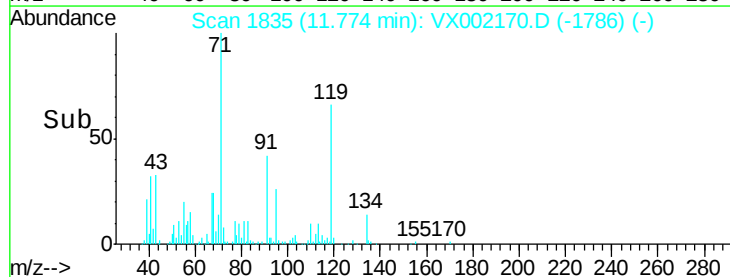
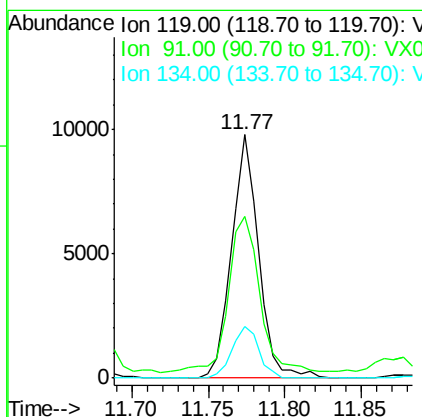
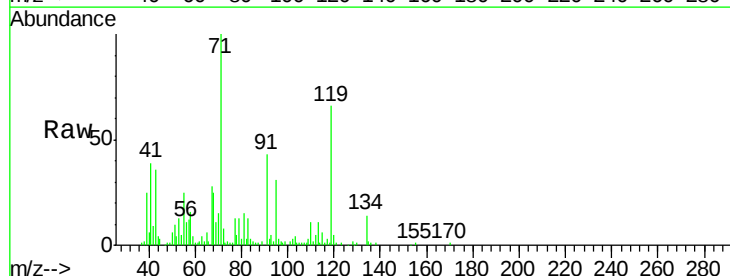
Manual Integrations
 APPROVED

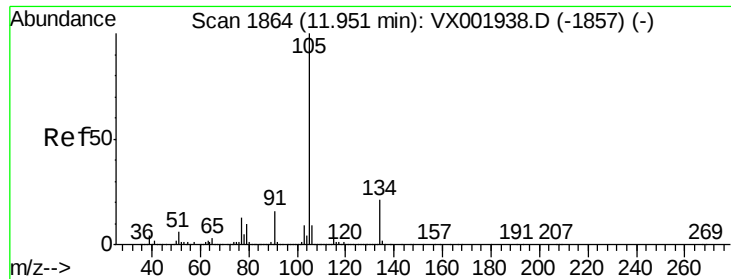
MMDadoda
 5/31/2018 3:07:51 PM



#83
 tert-Butylbenzene
 Concen: 0.85 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX002170.D
 Acq: 31 May 2018 07:03

Tgt Ion	Ratio	Lower	Upper
119	100		
91	73.1	30.6	91.8
134	21.0	11.7	35.0





#85

sec-Butylbenzene

Concen: 1.81 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

Instrument :

MSVOA_X

ClientSampled :

MW-34

Tot Ion: 105 Resp: 30816

Ion Ratio Lower Upper

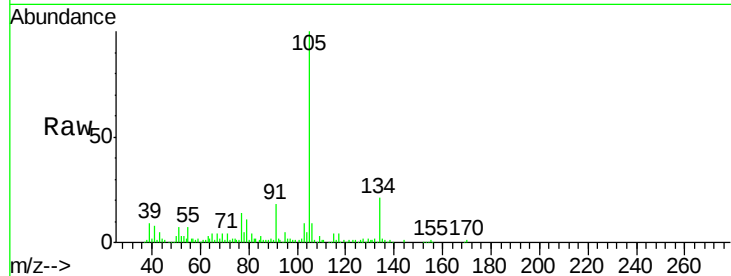
105 100

134 18.0 10.4 31.4

Manual Integrations
APPROVED

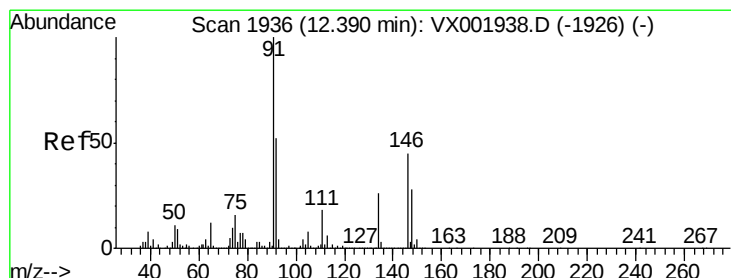
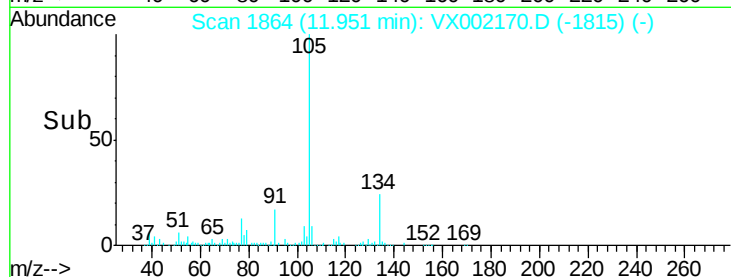
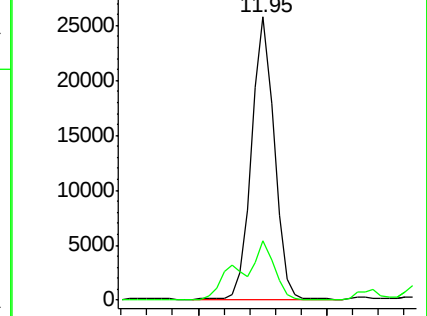
MMDadoda

5/31/2018 3:07:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 1.37 ug/l m

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX002170.D

Acq: 31 May 2018 07:03

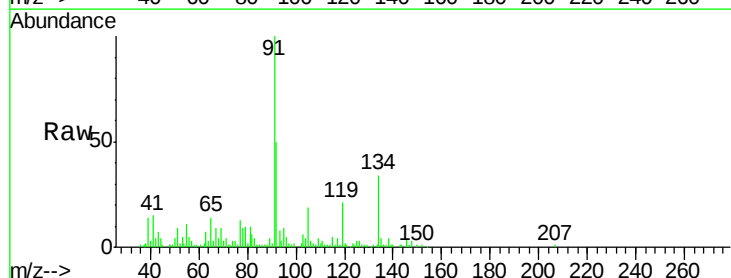
Tgt Ion: 91 Resp: 17653

Ion Ratio Lower Upper

91 100

92 53.7 26.3 78.9

134 87.0 13.6 40.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

