

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010408.D
 Acq On : 24 Jun 2019 13:17
 Operator : JC/SP
 Sample : K3500-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-B-061919

Manual Integrations
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 6/25/2019 9:01:41 AM

Quant Time: Jun 25 04:06:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	309556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	471409	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	425556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203990	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	143073	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
35) Dibromofluoromethane	5.50	113	143652	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
50) Toluene-d8	8.71	98	551786	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	190531	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	4938	3.395	ug/l	93
30) Chloroform	5.22	83	7643	1.543	ug/l	87
31) Cyclohexane	5.58	56	17886	4.266	ug/l	91
39) Methylcyclohexane	7.46	83	29672	6.026	ug/l	100
64) Tetrachloroethene	9.34	164	4225	1.227	ug/l	94
67) Ethyl Benzene	10.25	91	18043	1.237	ug/l	94
68) m/p-Xylenes	10.35	106	4512	0.798	ug/l	99
73) Isopropylbenzene	11.02	105	210307	15.209	ug/l	98
78) n-propylbenzene	11.36	91	1376135	90.550	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1477164	129.581	ug/l	100
83) tert-Butylbenzene	11.77	119	6205m	0.542	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	4027957	351.695	ug/l	99
85) sec-Butylbenzene	11.94	105	260143	19.365	ug/l	96
86) p-Isopropyltoluene	12.06	119	156511	12.595	ug/l	98
89) n-Butylbenzene	12.38	91	955409	90.483	ug/l #	18
95) Naphthalene	13.83	128	61184	4.286	ug/l #	88

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

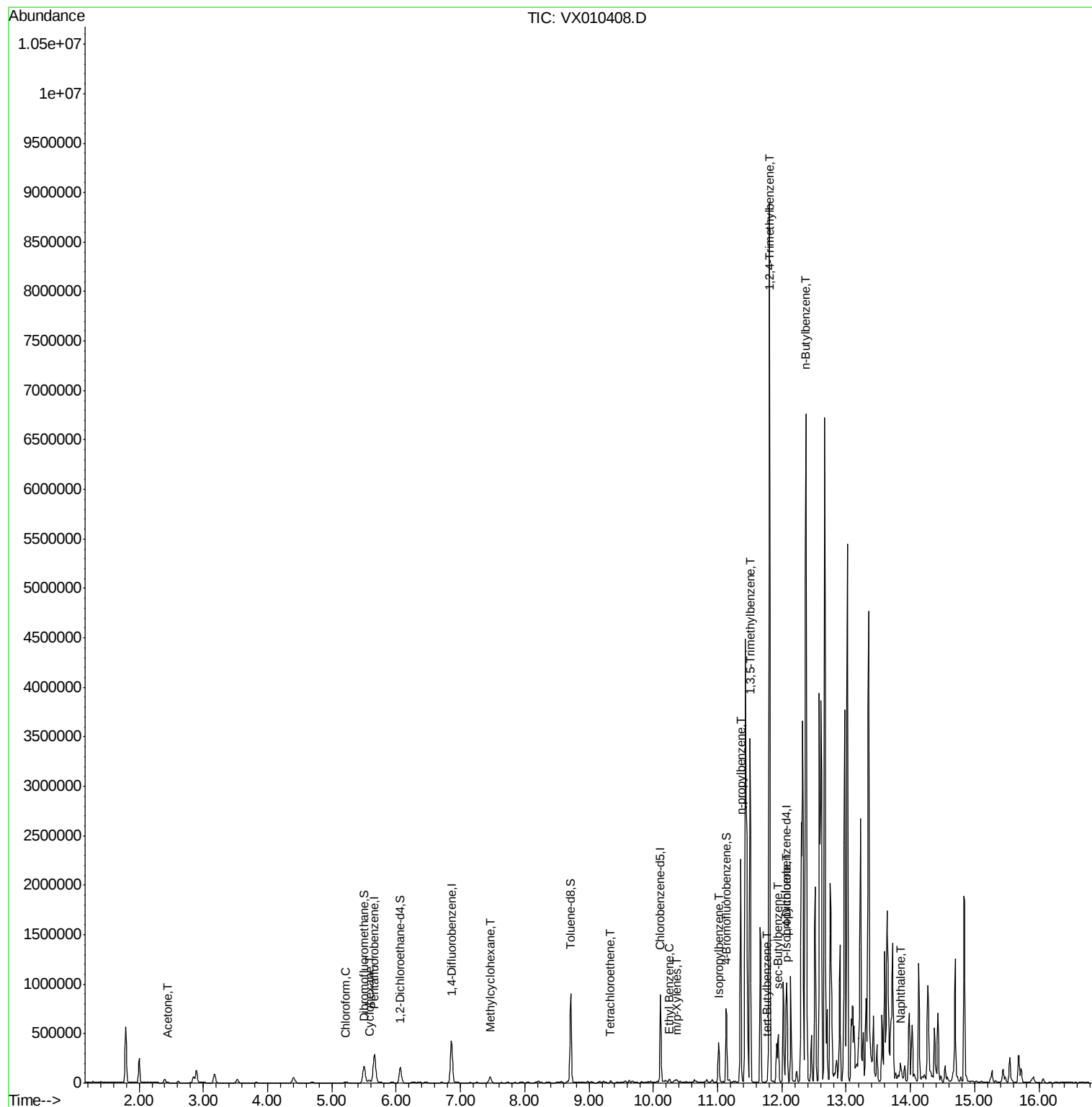
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062419\
Data File : VX010408.D
Acq On : 24 Jun 2019 13:17
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

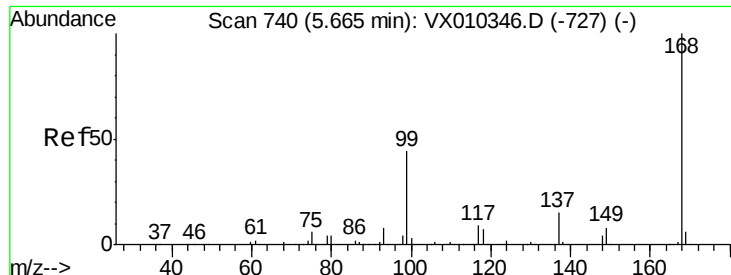
Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

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Quant Time: Jun 25 04:06:47 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

GW-B-061919

Tot Ion:168 Resp: 309556

Ion Ratio Lower Upper

168 100

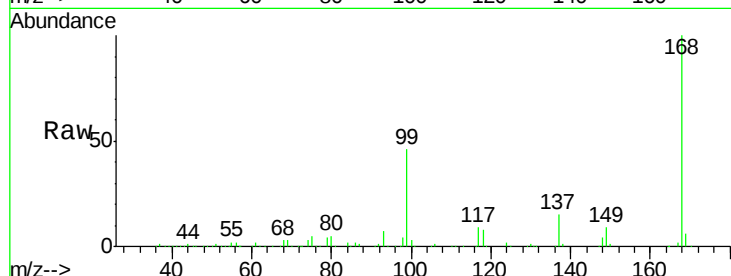
99 45.8 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

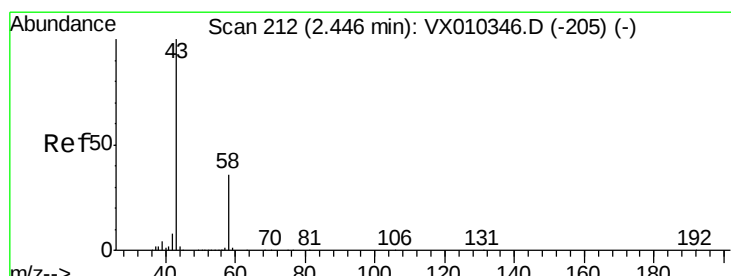
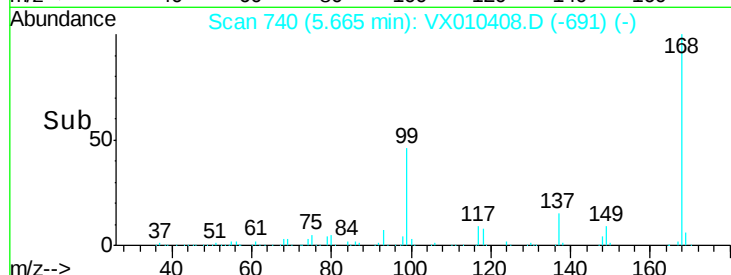
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.395 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010408.D

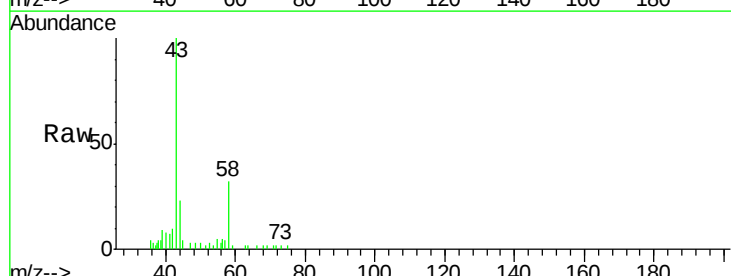
Acq: 24 Jun 2019 13:17

Tgt Ion: 43 Resp: 4938

Ion Ratio Lower Upper

43 100

58 32.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000

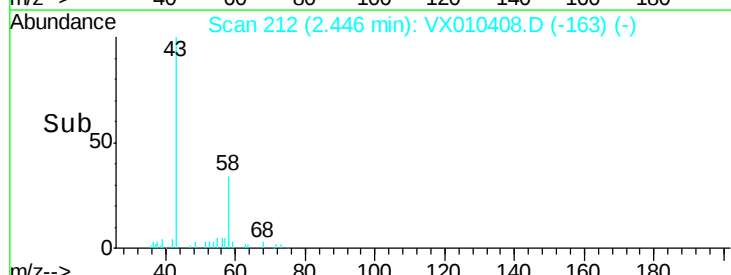
6000

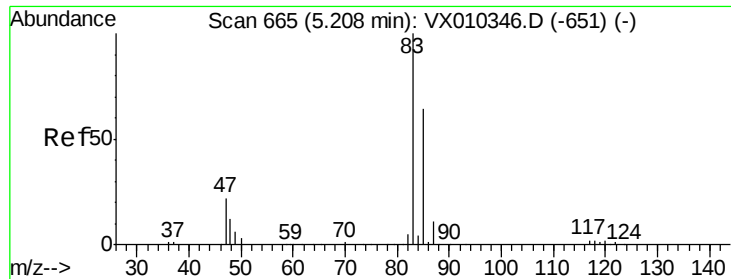
4000

2000

0

Time--> 2.40 2.45 2.50





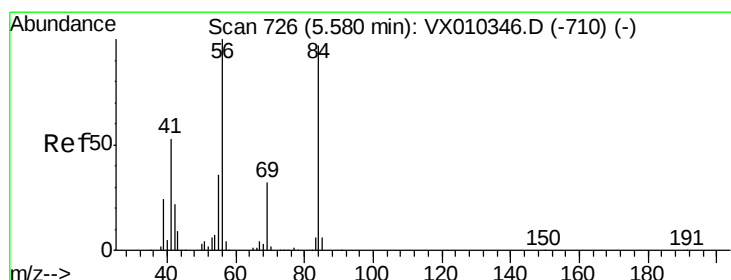
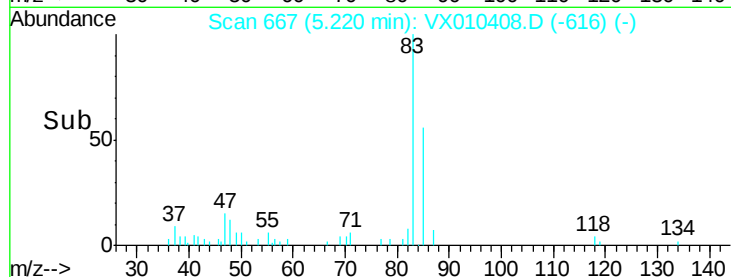
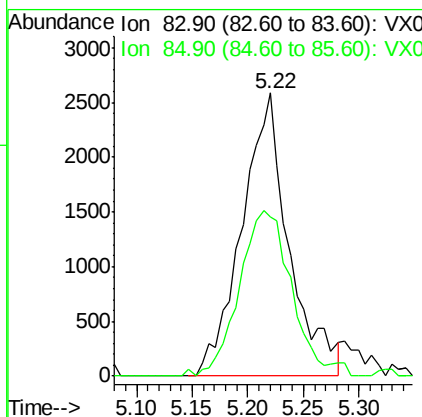
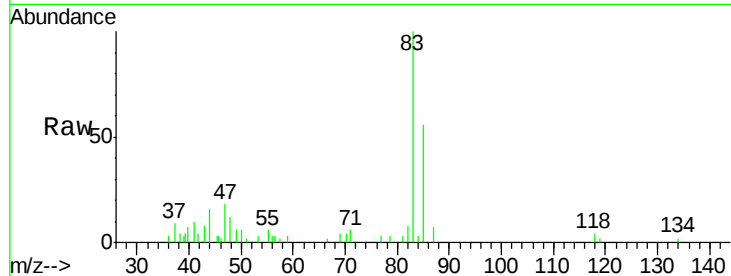
#30
Chloroform
Concen: 1.543 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion: 83 Resp: 7643
Ion Ratio Lower Upper
83 100
85 53.5 50.9 76.3

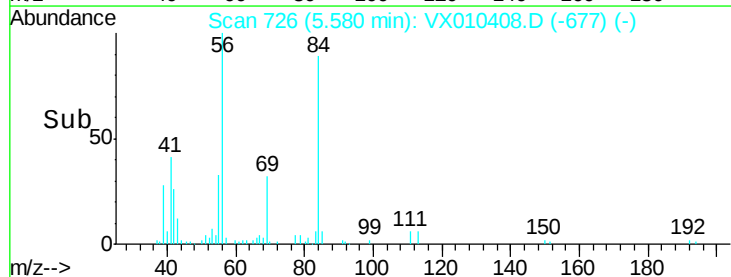
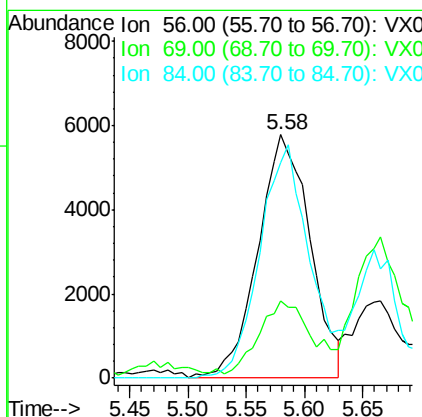
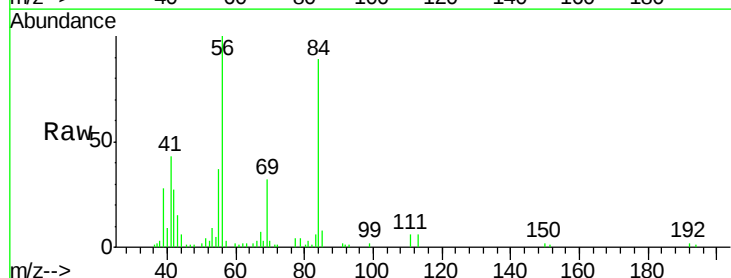
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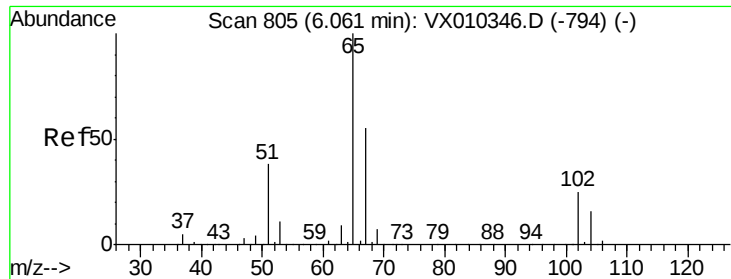
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#31
Cyclohexane
Concen: 4.266 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Tgt Ion: 56 Resp: 17886
Ion Ratio Lower Upper
56 100
69 27.4 25.9 38.9
84 88.6 78.0 117.0





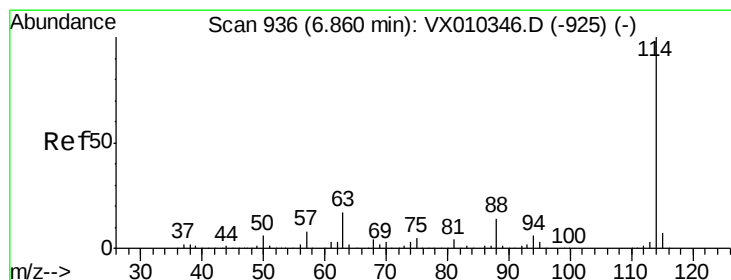
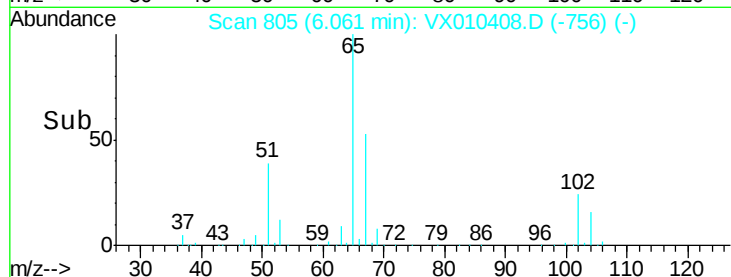
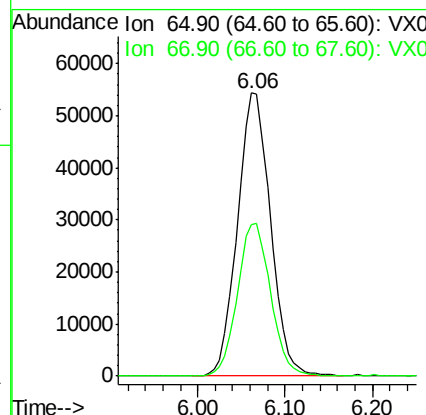
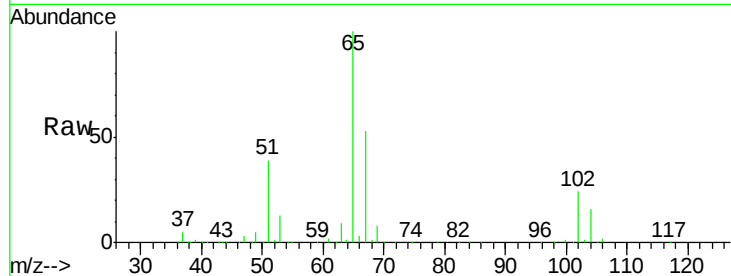
#33
 1,2-Dichloroethane-d4
 Concen: 49.295 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010408.D
 Acq: 24 Jun 2019 13:17

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-B-061919

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143073		
67	54.2	0.0	110.2	

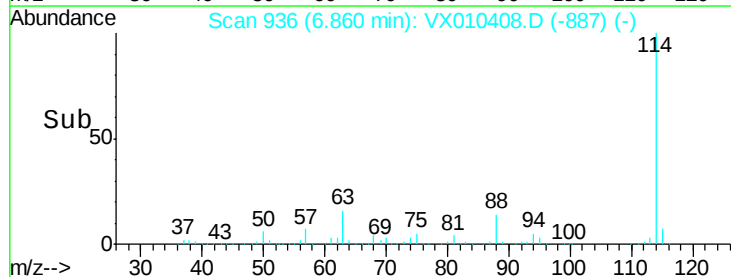
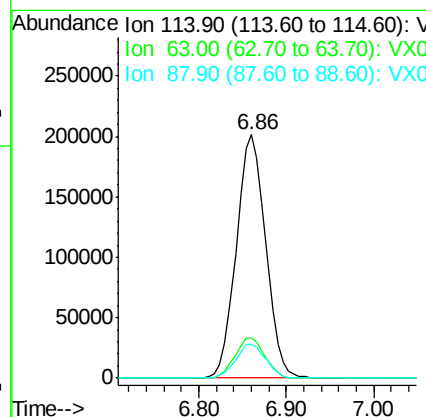
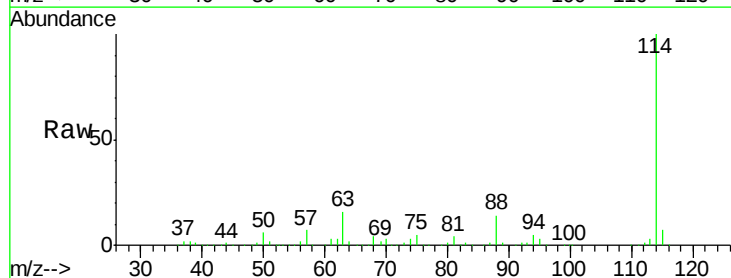
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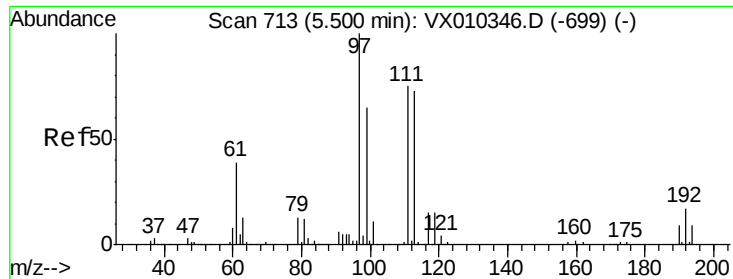
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010408.D
 Acq: 24 Jun 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	471409		
63	16.3	0.0	33.8	
88	13.9	0.0	27.6	





#35

Dibromofluoromethane

Concen: 49.806 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

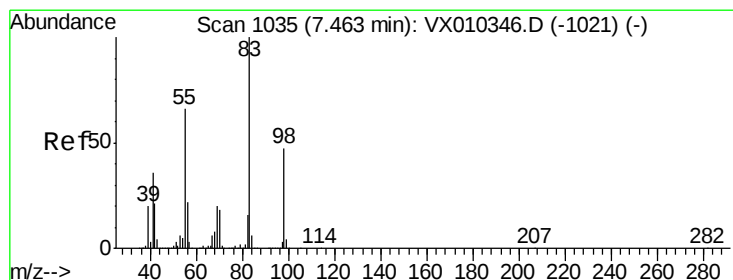
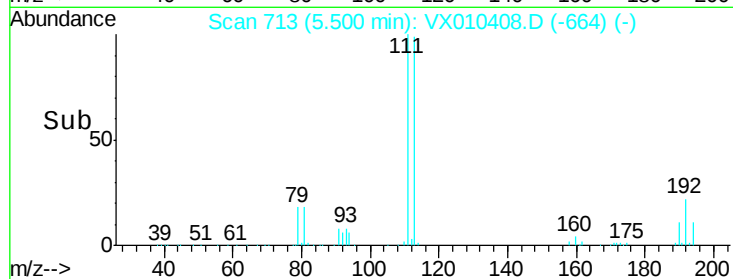
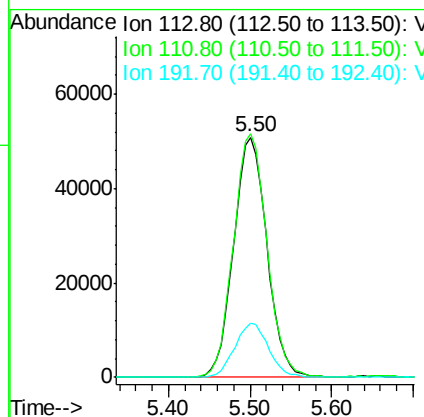
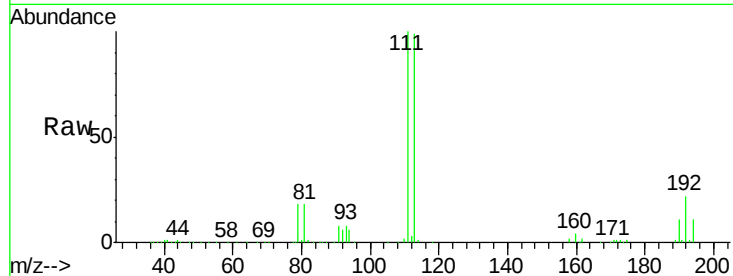
ClientSampleId :

GW-B-061919

Tot Ion:	113	Resp:	143652
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.2	121.8
192	22.8	18.6	27.8

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#39

Methylcyclohexane

Concen: 6.026 ug/l

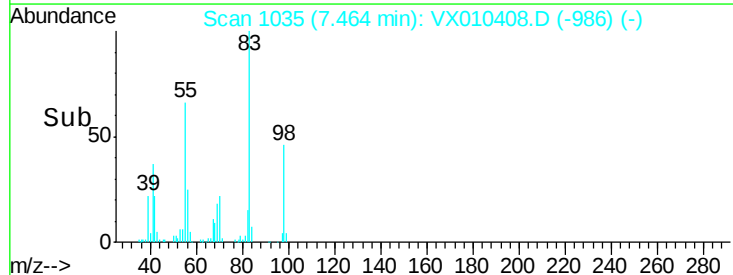
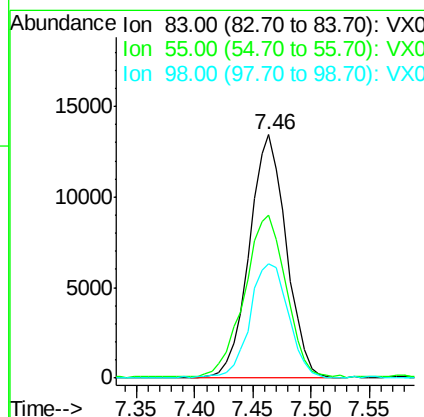
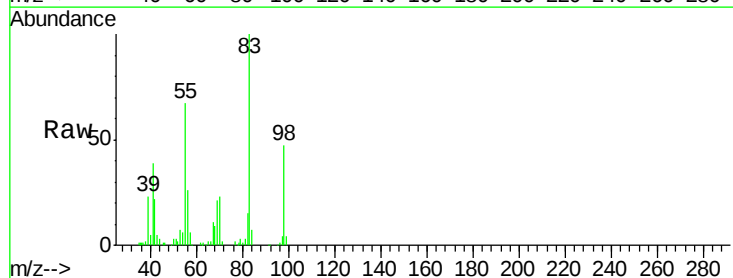
RT: 7.46 min Scan# 1035

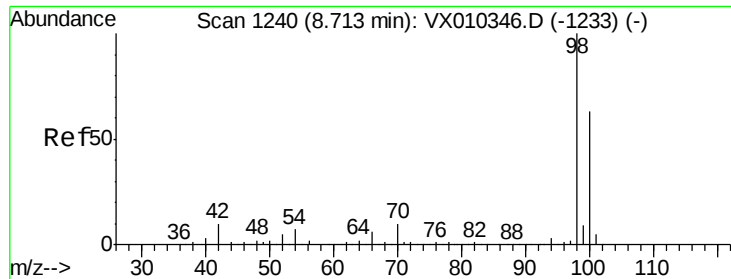
Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Tgt Ion:	83	Resp:	29672
Ion Ratio	Lower	Upper	
83	100		
55	66.4	53.0	79.6
98	47.2	37.8	56.8





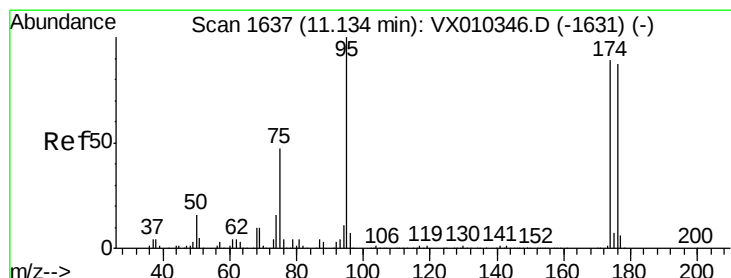
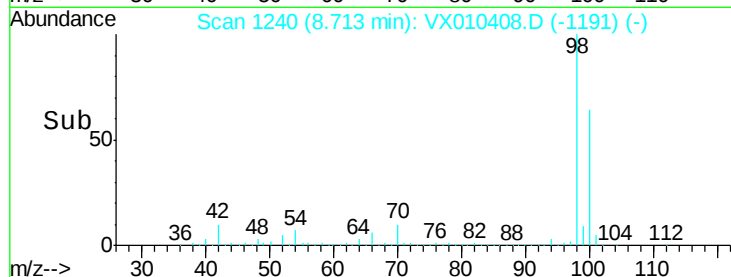
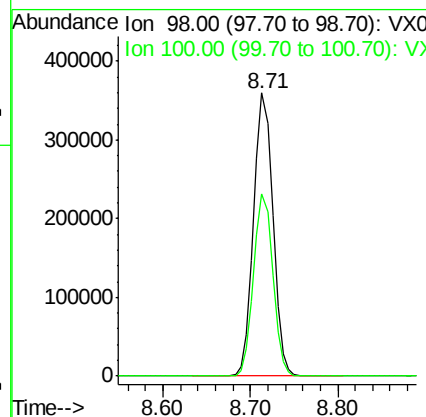
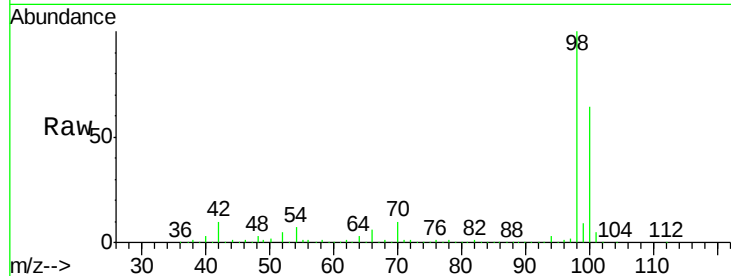
#50
Toluene-d8
Concen: 50.005 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion: 98 Resp: 551786
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

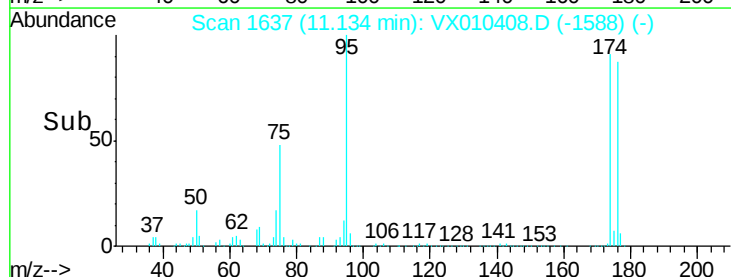
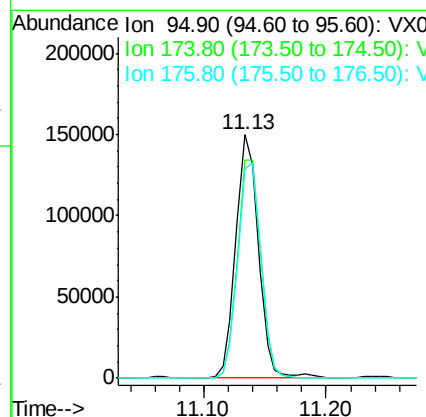
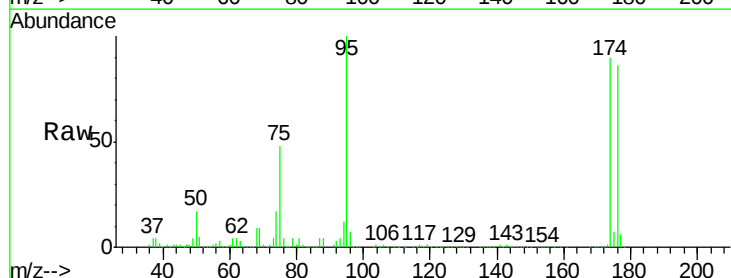
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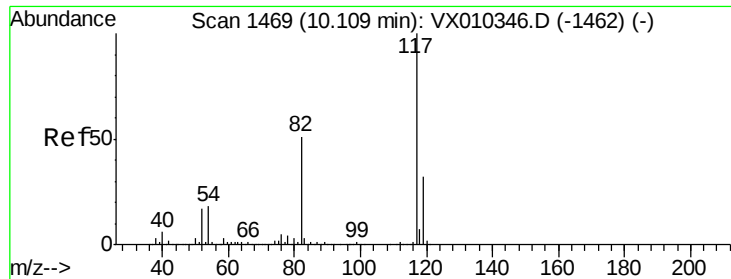
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#62
4-Bromofluorobenzene
Concen: 47.827 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Tgt Ion: 95 Resp: 190531
Ion Ratio Lower Upper
95 100
174 92.9 0.0 187.6
176 90.6 0.0 184.0





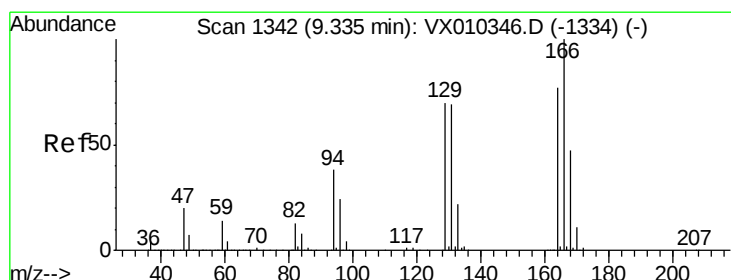
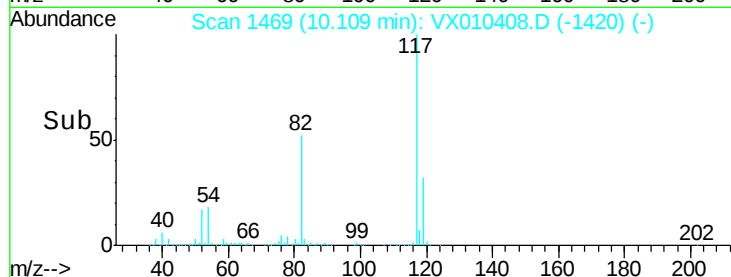
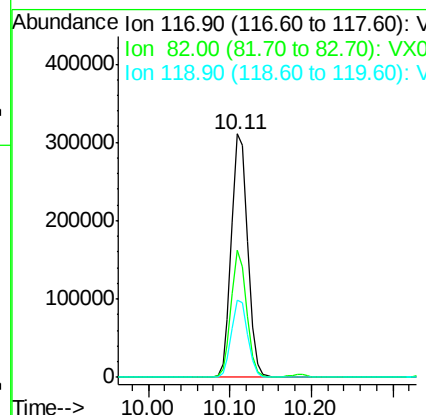
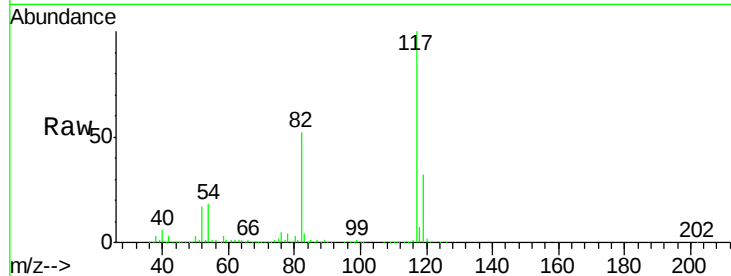
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion	Ratio	Resp	Lower	Upper
117	100	425556		
82	52.1		41.2	61.8
119	31.9		25.5	38.3

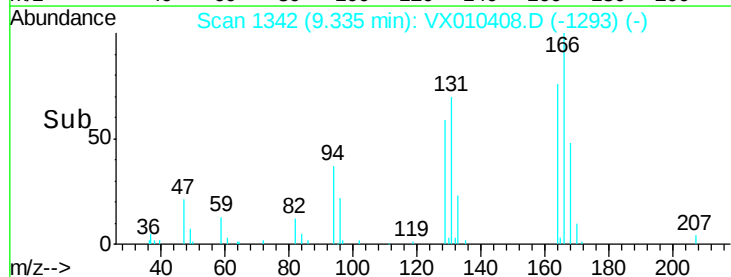
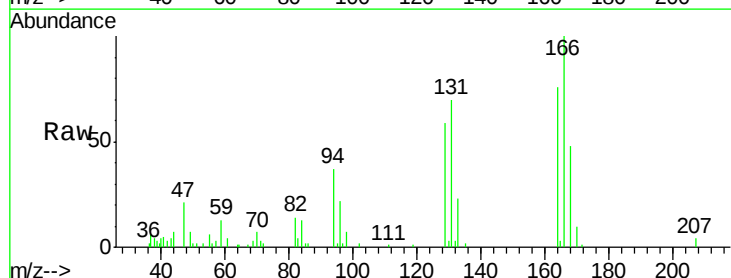
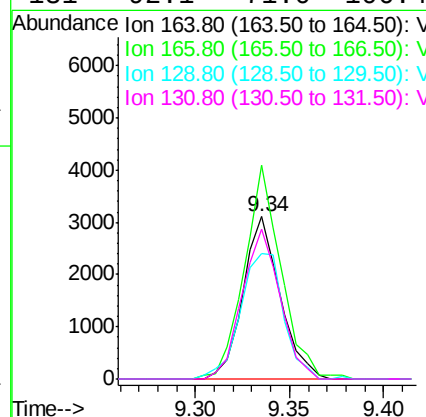
Manual Integrations
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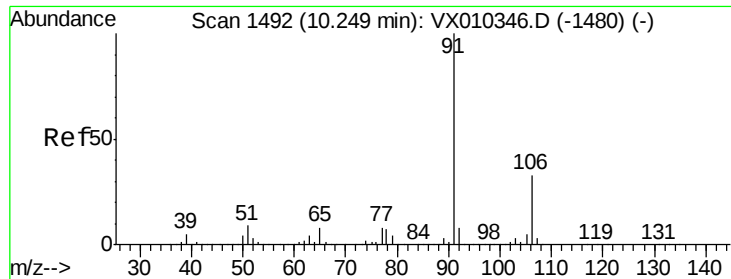
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#64
Tetrachloroethene
Concen: 1.227 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4225		
166	131.4		103.6	155.4
129	77.2		73.0	109.4
131	92.1		71.0	106.4





#67

Ethyl Benzene

Concen: 1.237 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

GW-B-061919

Tot Ion: 91 Resp: 18043

Ion Ratio Lower Upper

91 100

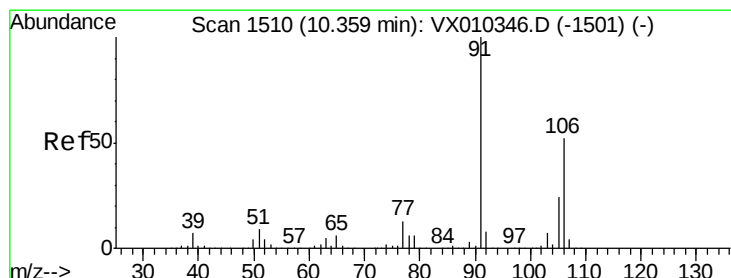
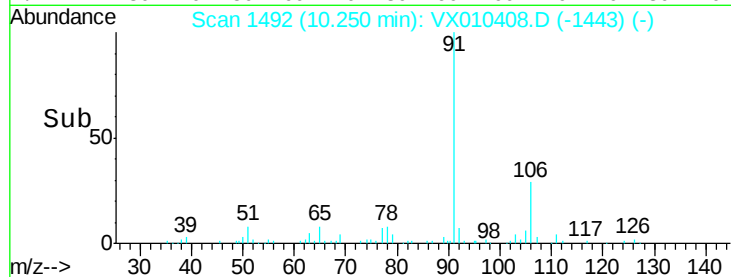
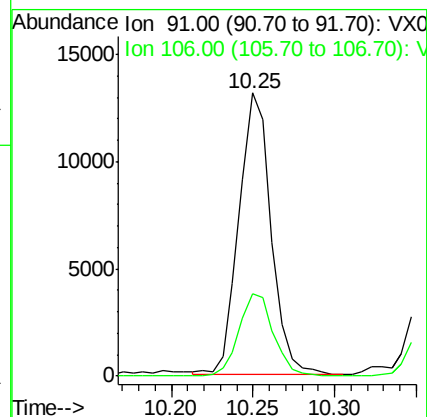
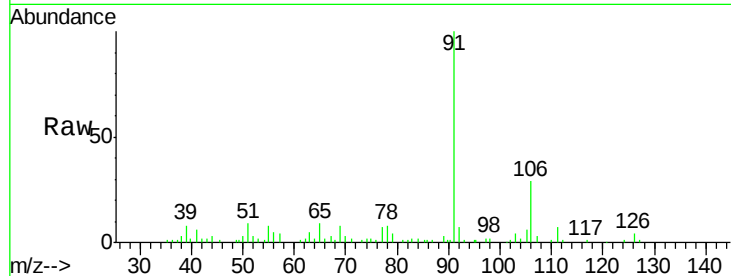
106 29.2 26.2 39.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 0.798 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX010408.D

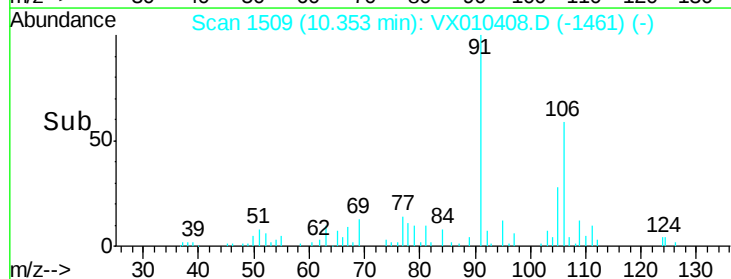
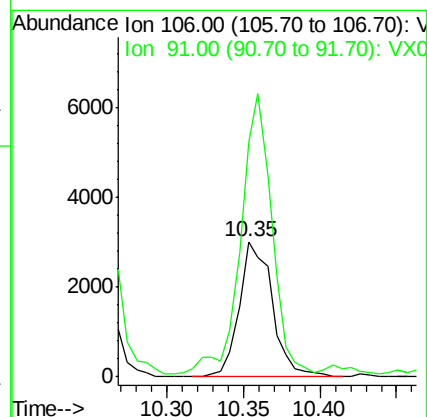
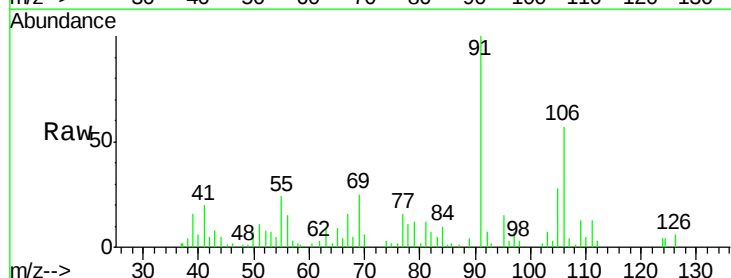
Acq: 24 Jun 2019 13:17

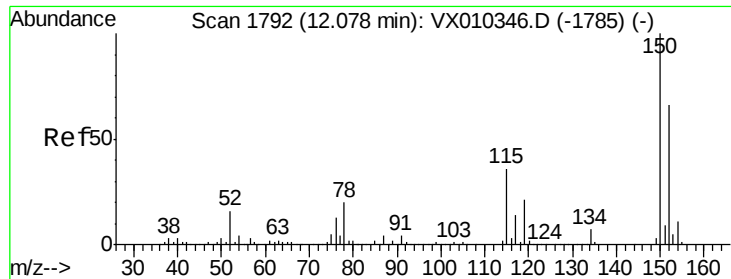
Tgt Ion: 106 Resp: 4512

Ion Ratio Lower Upper

106 100

91 192.6 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

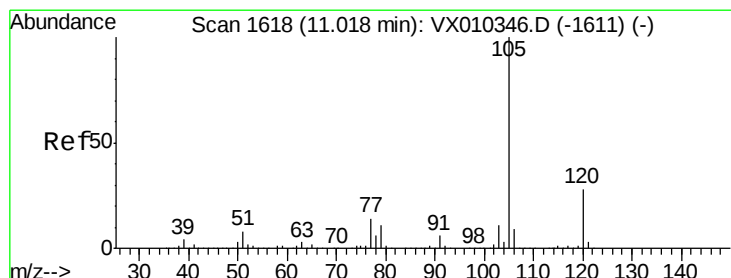
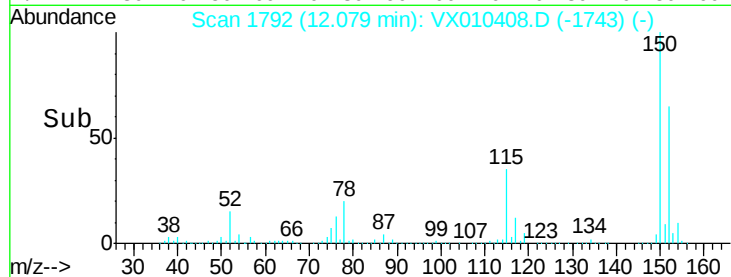
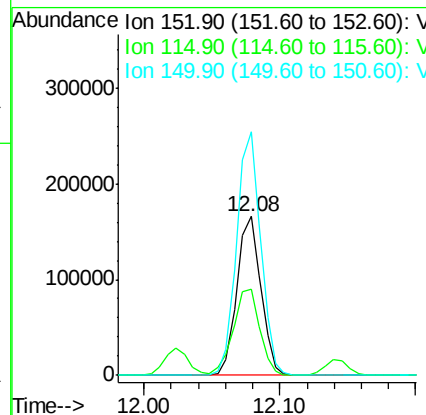
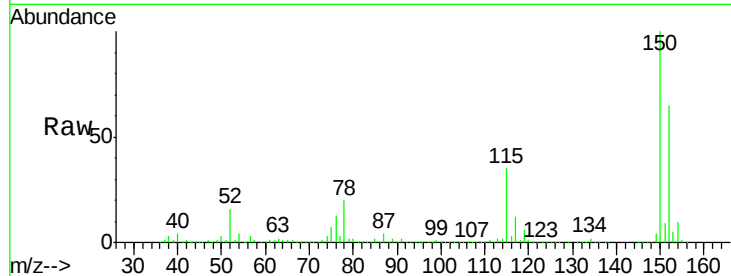
ClientSampleId :

GW-B-061919

Tot Ion:	152	Resp:	203990
Ion Ratio	Lower	Upper	
152	100		
115	59.6	38.6	115.7
150	153.5	0.0	347.4

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#73

Isopropylbenzene

Concen: 15.209 ug/l

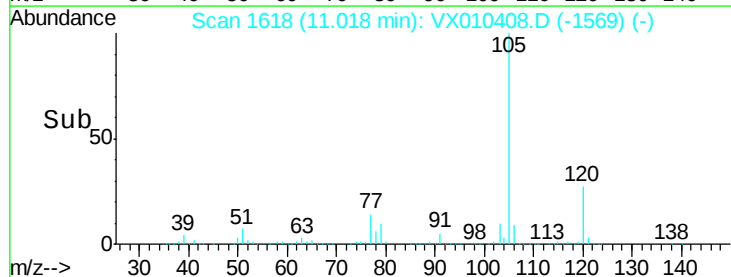
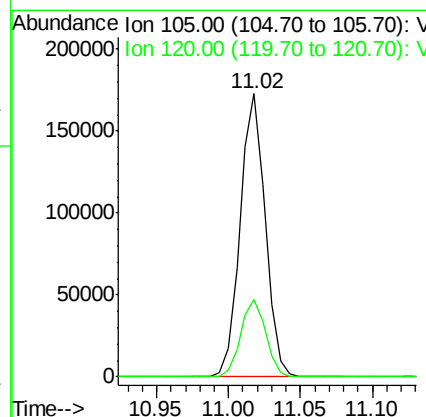
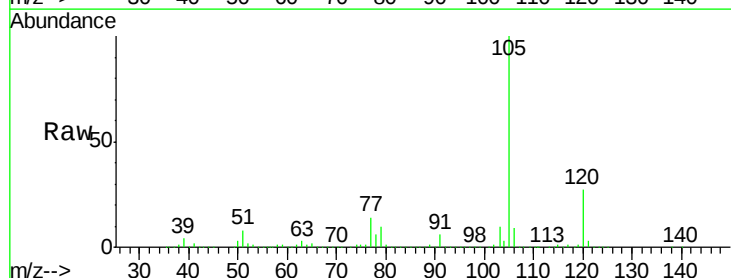
RT: 11.02 min Scan# 1618

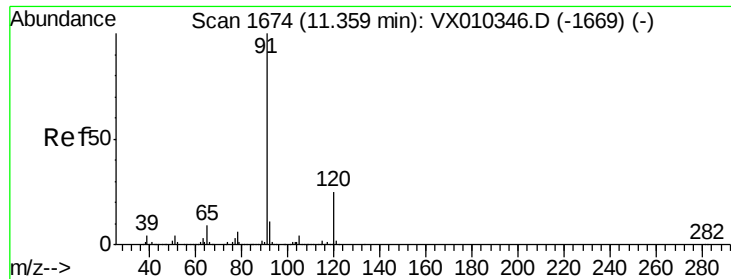
Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Tgt Ion:	105	Resp:	210307
Ion Ratio	Lower	Upper	
105	100		
120	27.4	14.1	42.4





#78

n-propylbenzene

Concen: 90.550 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

ClientSampled :

GW-B-061919

Tot Ion: 91 Resp: 1376135

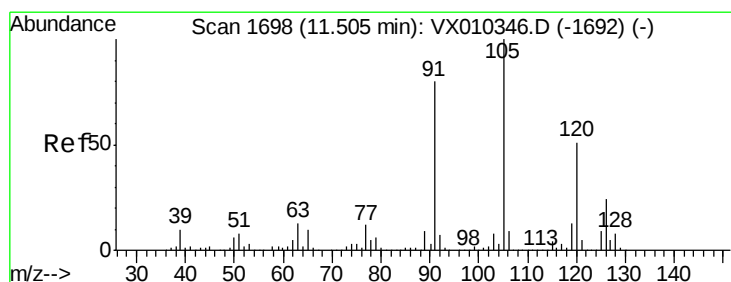
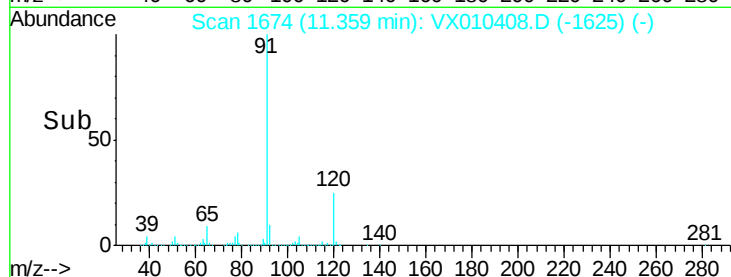
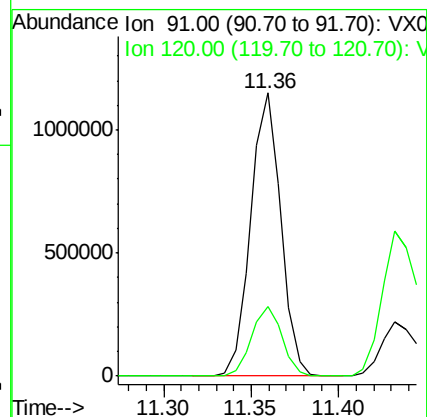
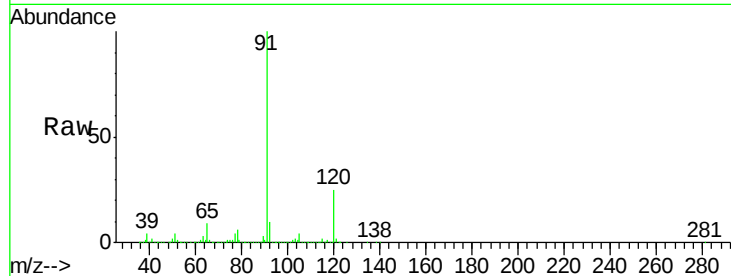
Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 129.581 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010408.D

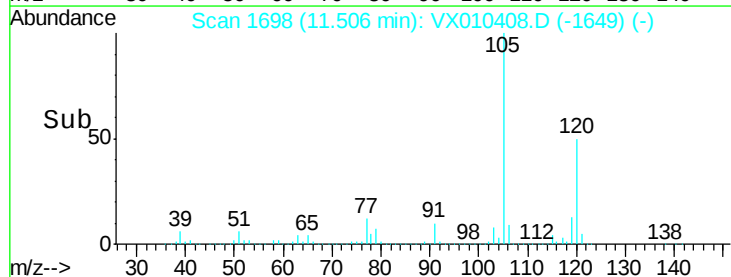
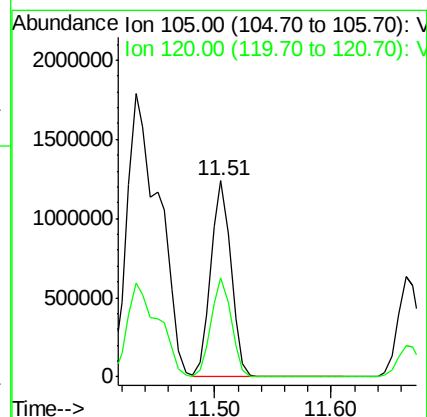
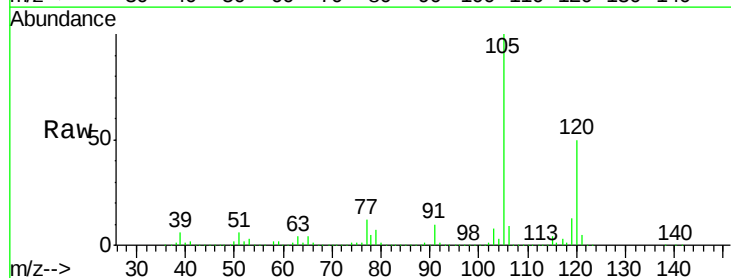
Acq: 24 Jun 2019 13:17

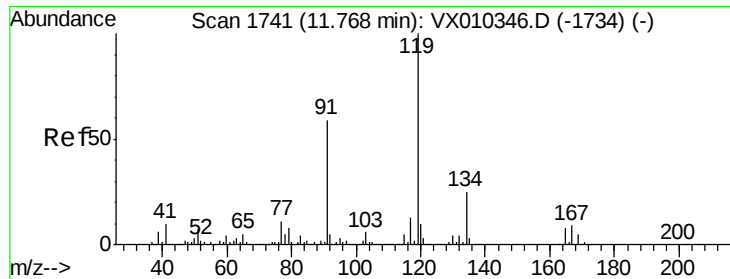
Tgt Ion: 105 Resp: 1477164

Ion Ratio Lower Upper

105 100

120 50.5 25.2 75.6





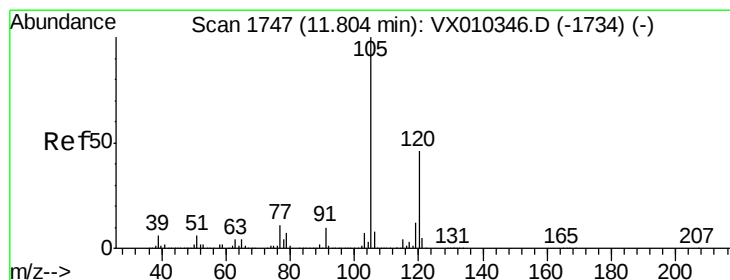
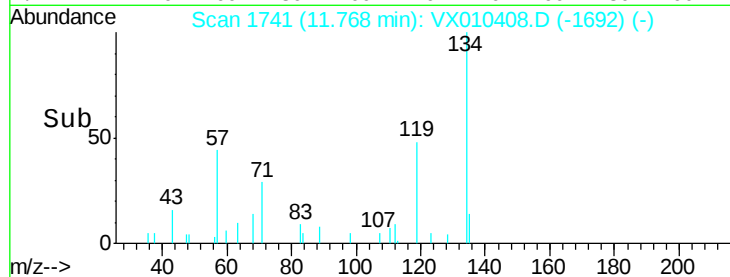
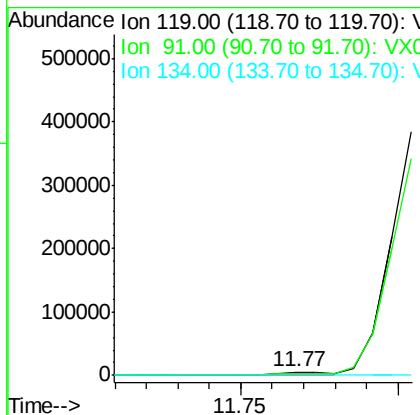
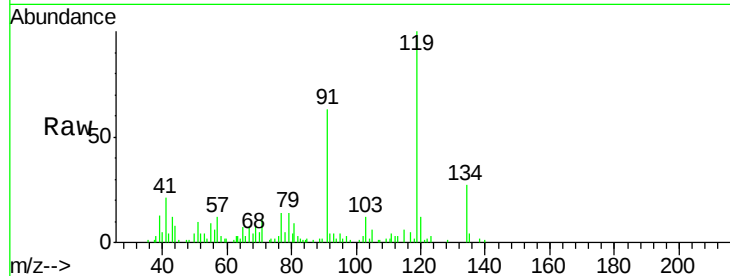
#83
tert-Butylbenzene
Concen: 0.542 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion:119 Resp: 6205
Ion Ratio Lower Upper
119 100
91 6926.7 27.6 82.7
134 0.0 11.8 35.4#

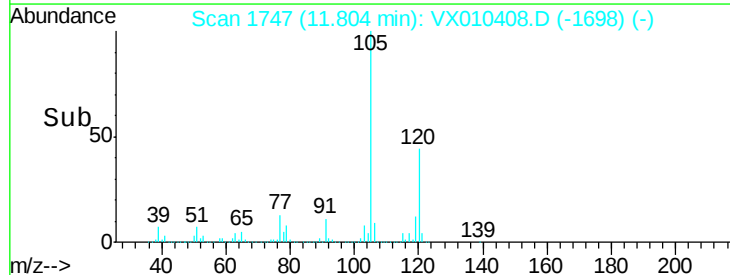
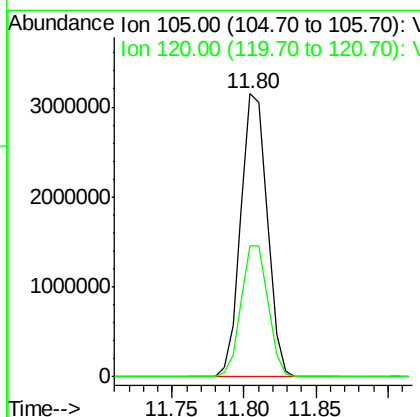
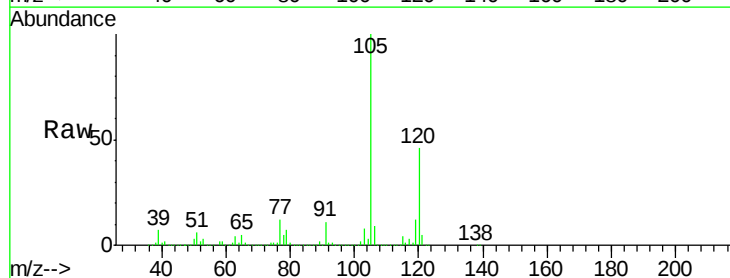
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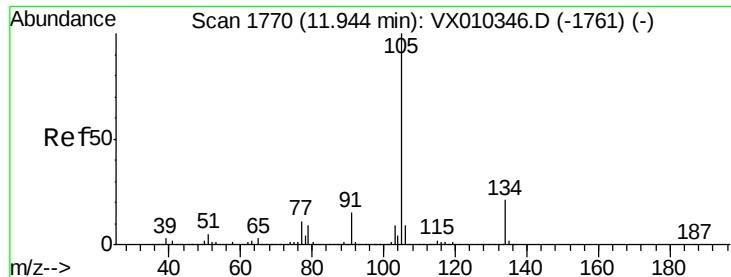
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#84
1,2,4-Trimethylbenzene
Concen: 351.695 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010408.D
Acq: 24 Jun 2019 13:17

Tgt Ion:105 Resp: 4027957
Ion Ratio Lower Upper
105 100
120 47.0 23.1 69.2





#85

sec-Butylbenzene

Concen: 19.365 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

ClientSampleId :

GW-B-061919

Tot Ion:105 Resp: 260143

Ion Ratio Lower Upper

105 100

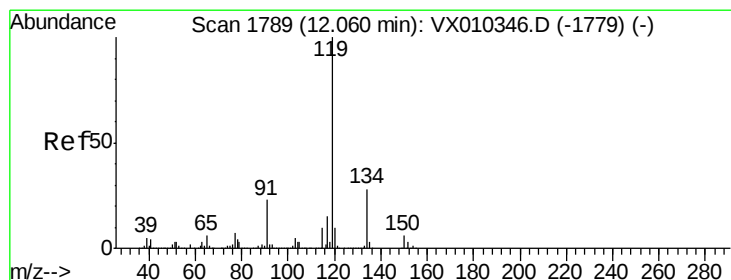
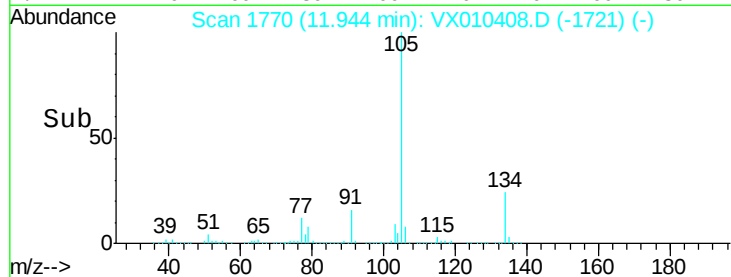
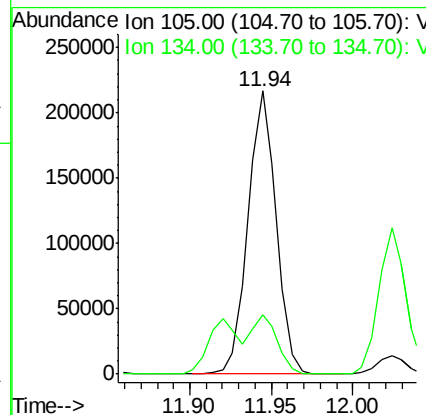
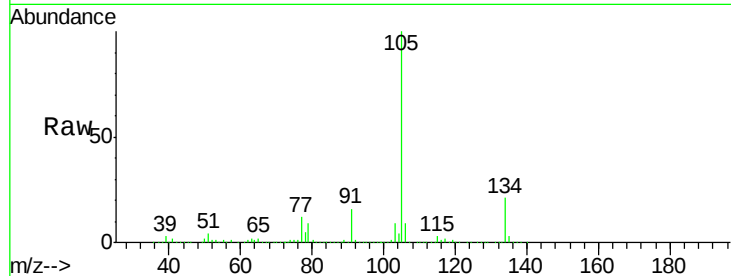
134 19.4 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 12.595 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

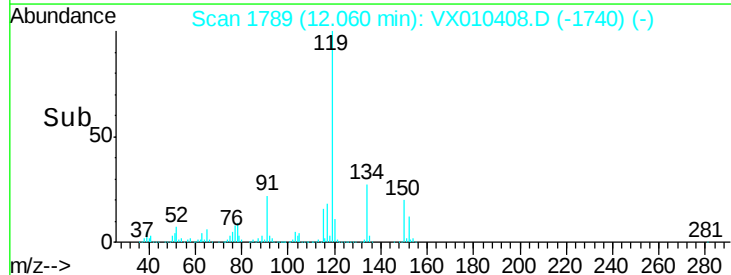
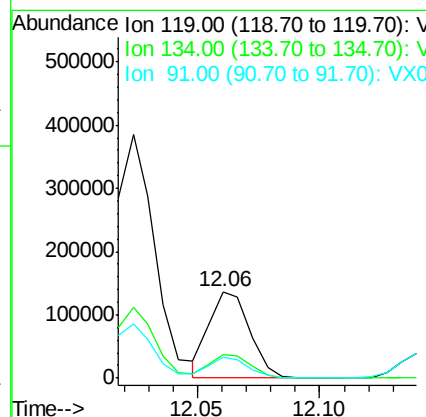
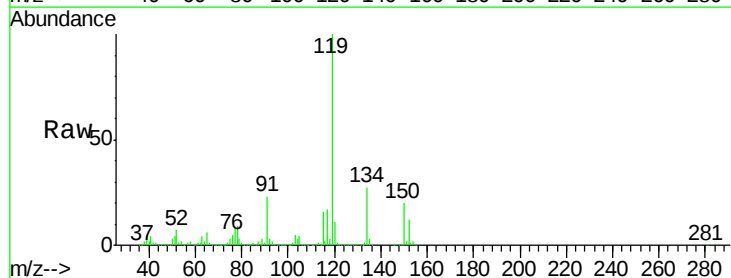
Tgt Ion:119 Resp: 156511

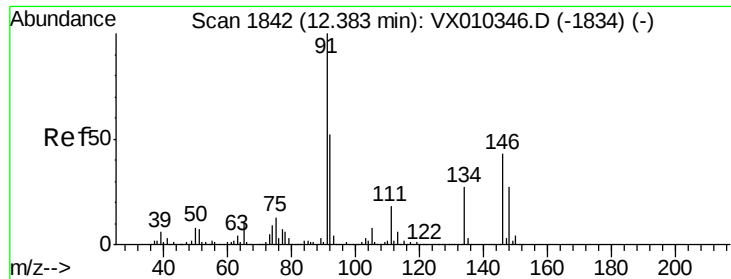
Ion Ratio Lower Upper

119 100

134 27.7 13.7 41.1

91 24.6 11.3 33.8





#89

n-Butylbenzene

Concen: 90.483 ug/l

RT: 12.38 min Scan# 1841

Delta R.T. -0.01 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Instrument :

MSVOA_X

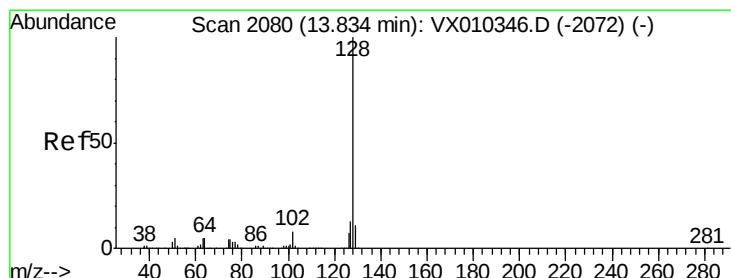
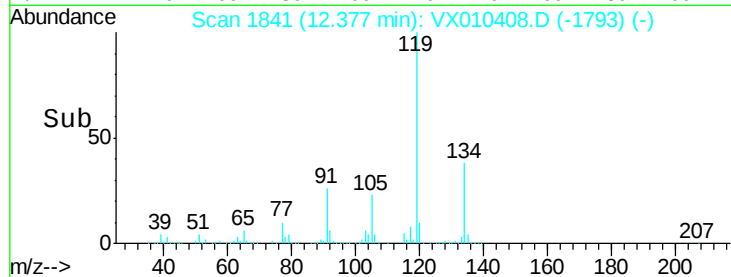
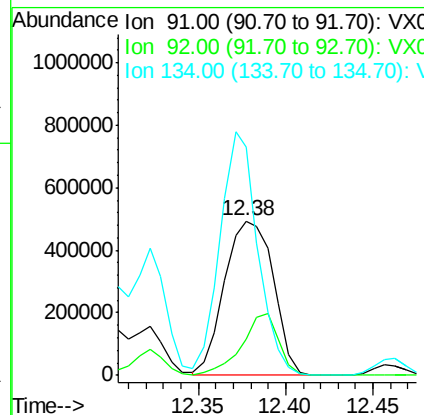
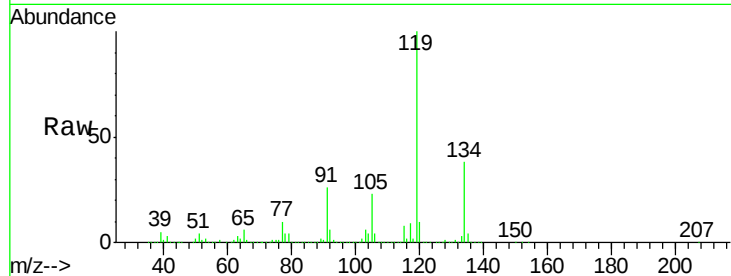
ClientSampled :

GW-B-061919

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.3	26.2	78.5
134	121.9	14.1	42.4#

Manual Integrations
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#95

Naphthalene

Concen: 4.286 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010408.D

Acq: 24 Jun 2019 13:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.2	15.4#
129	16.4	8.9	13.3#

