

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062519\
 Data File : VX010428.D
 Acq On : 25 Jun 2019 10:58
 Operator : JC/SP
 Sample : K3500-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-B-061919

Manual Integrations
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MMDadoda
 6/26/2019 8:49:34 AM

Quant Time: Jun 26 01:35:05 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	278105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	422977	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	383557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185302	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	128163	49.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.30%	
35) Dibromofluoromethane	5.49	113	128788	49.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.52%	
50) Toluene-d8	8.71	98	500774	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.13	95	175317	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	3584	2.743	ug/l	96
30) Chloroform	5.21	83	7895	1.774	ug/l	95
31) Cyclohexane	5.58	56	15891	4.219	ug/l	84
39) Methylcyclohexane	7.46	83	27314	6.182	ug/l	95
64) Tetrachloroethene	9.34	164	4516	1.456	ug/l	85
67) Ethyl Benzene	10.25	91	14482	1.102	ug/l	97
68) m/p-Xylenes	10.36	106	3789	0.744	ug/l	97
73) Isopropylbenzene	11.02	105	189995	15.126	ug/l	98
78) n-propylbenzene	11.36	91	1265084	91.638	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1366347	131.948	ug/l	100
83) tert-Butylbenzene	11.77	119	6198m	0.596	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	3682842	353.992	ug/l	98
85) sec-Butylbenzene	11.94	105	246099	20.167	ug/l	93
86) p-Isopropyltoluene	12.06	119	154553	13.692	ug/l	99
89) n-Butylbenzene	12.38	91	891007	92.894	ug/l #	17
95) Naphthalene	13.83	128	38011	2.931	ug/l #	79

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

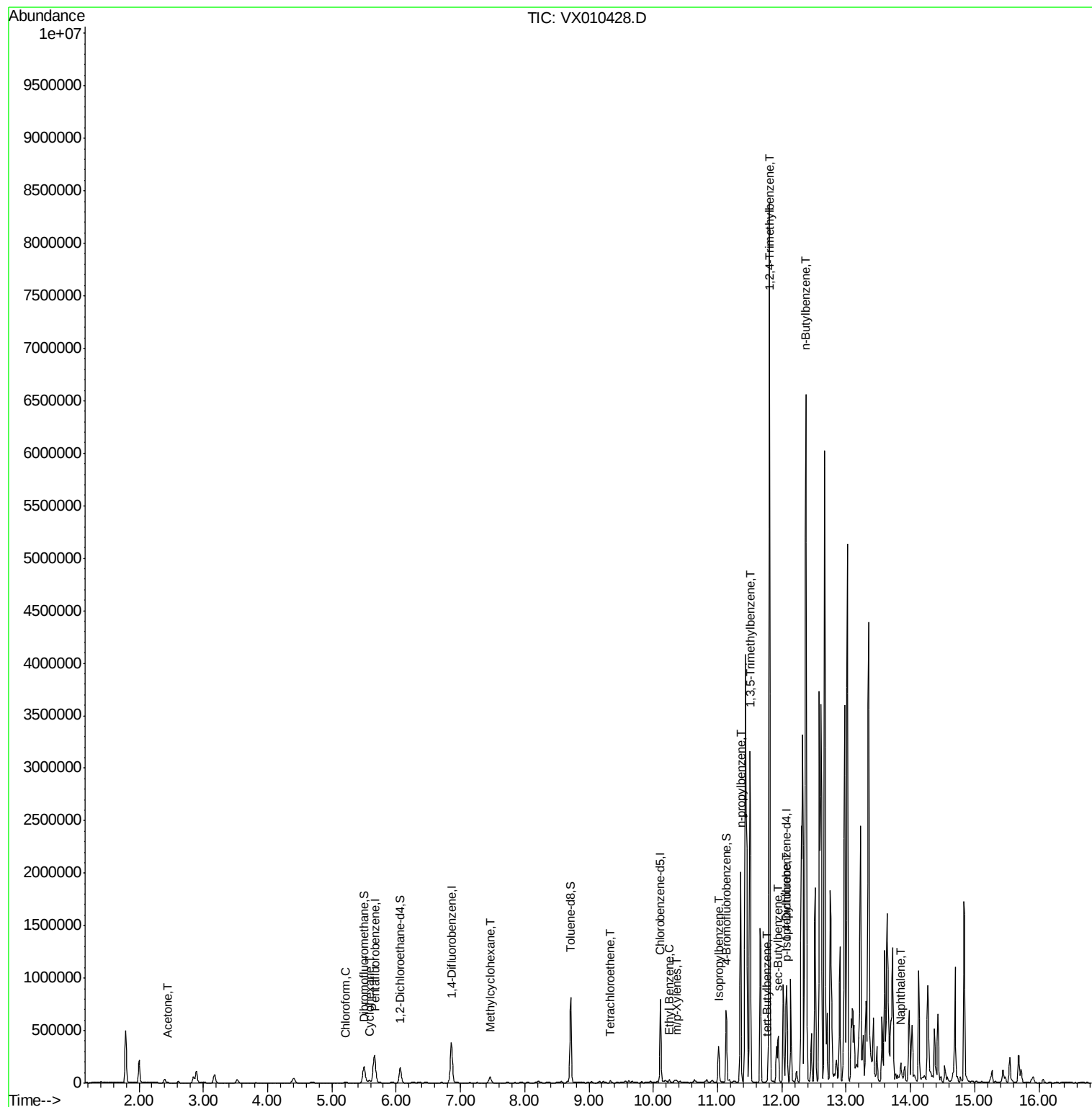
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062519\
Data File : VX010428.D
Acq On : 25 Jun 2019 10:58
Operator : JC/SP
Sample : K3500-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

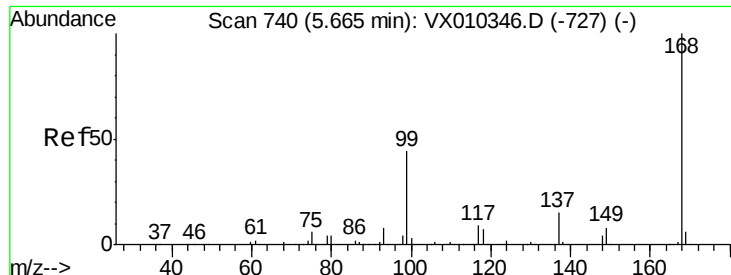
Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Manual Integrations
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6/26/2019 8:49:34 AM

Quant Time: Jun 26 01:35:05 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: VX010428.D

Acq: 25 Jun 2019 10:58

Instrument :

MSVOA_X

ClientSampleId :

GW-B-061919

Tot Ion:168 Resp: 278105

Ion Ratio Lower Upper

168 100

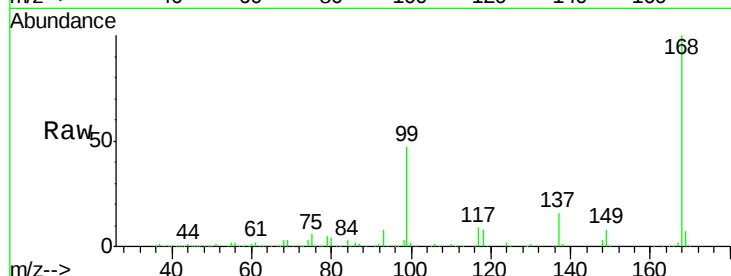
99 46.6 35.5 53.3

Manual Integrations

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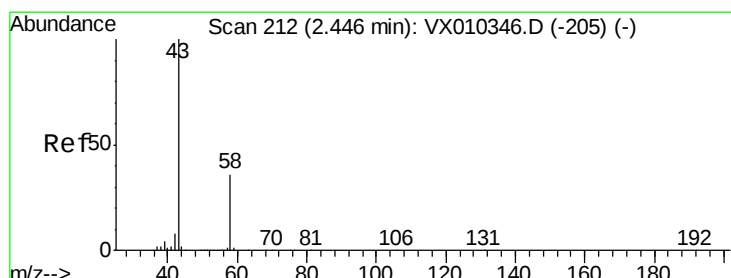
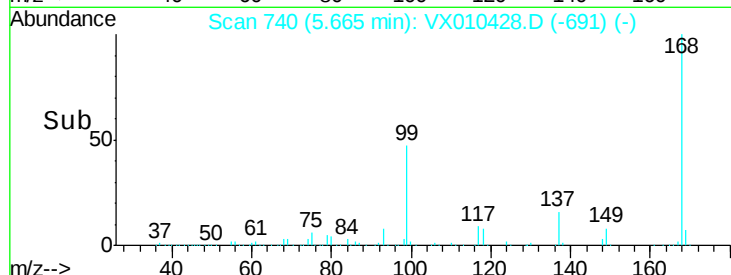
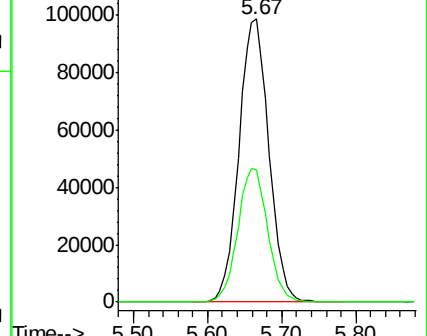
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 2.743 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010428.D

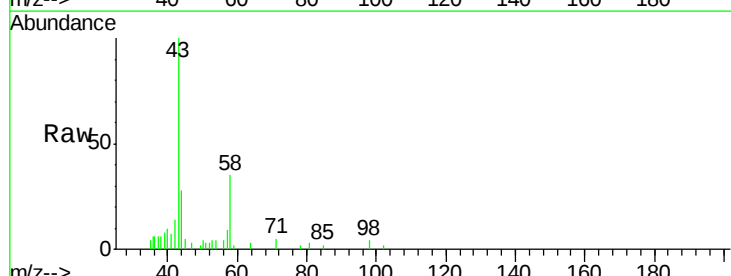
Acq: 25 Jun 2019 10:58

Tgt Ion: 43 Resp: 3584

Ion Ratio Lower Upper

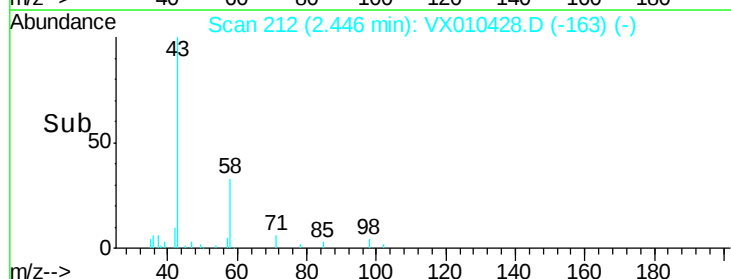
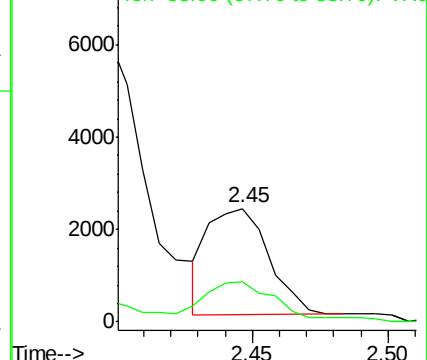
43 100

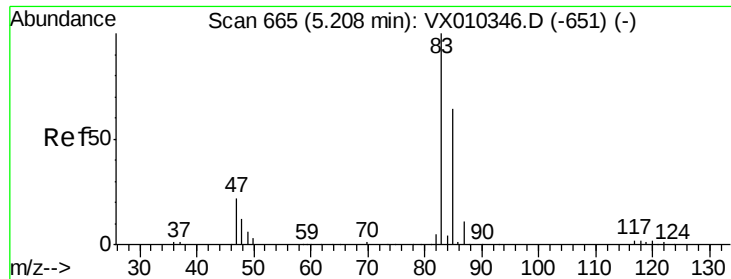
58 33.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





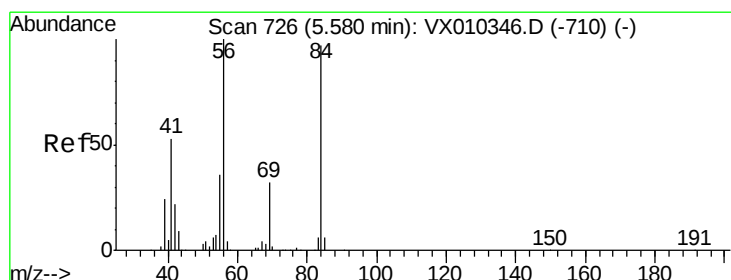
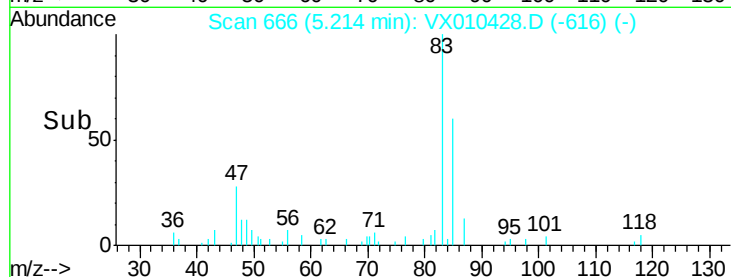
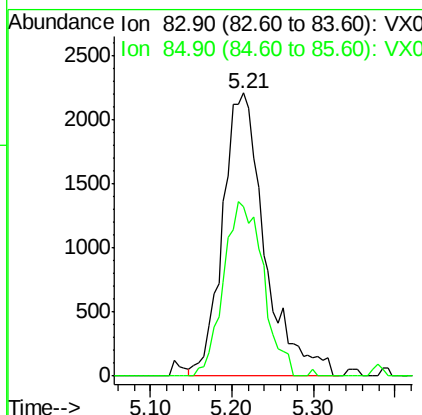
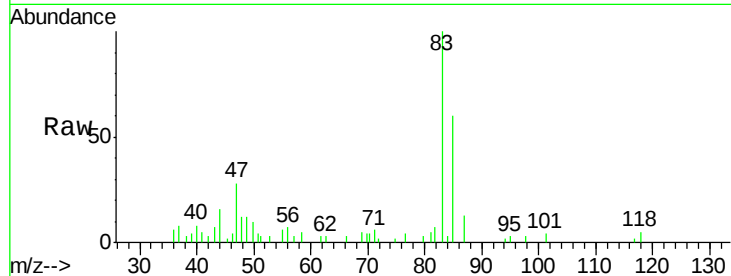
#30
Chloroform
Concen: 1.774 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion	83	Resp	7895
Ion Ratio	100	Lower	Upper
85	60.0	50.9	76.3

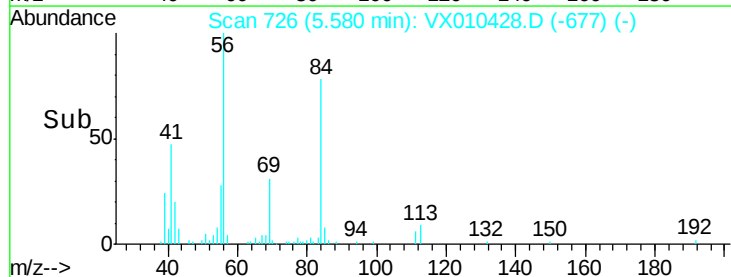
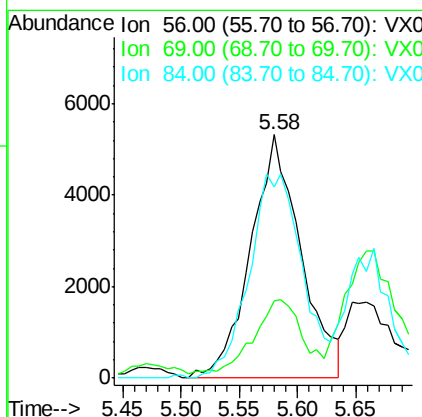
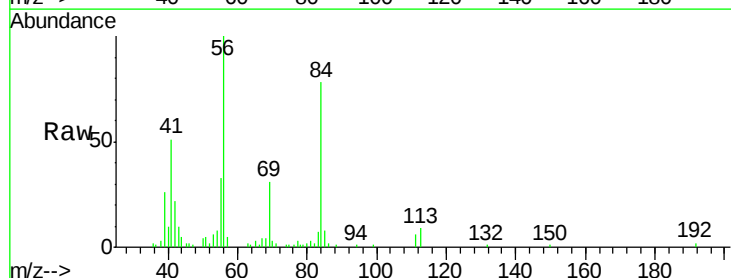
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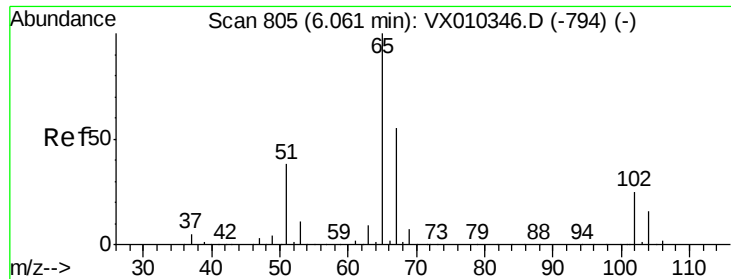
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#31
Cyclohexane
Concen: 4.219 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Tgt Ion	56	Resp	15891
Ion Ratio	100	Lower	Upper
69	29.9	25.9	38.9
84	78.5	78.0	117.0





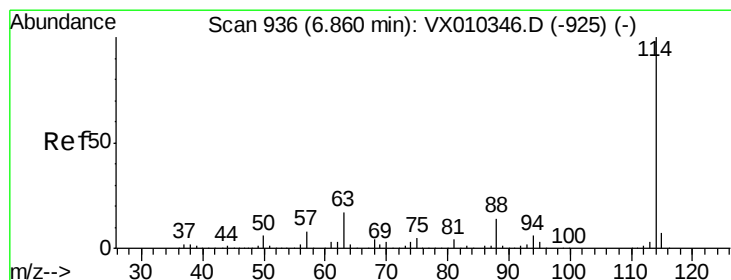
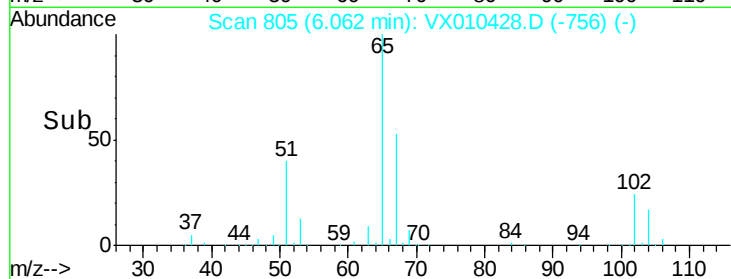
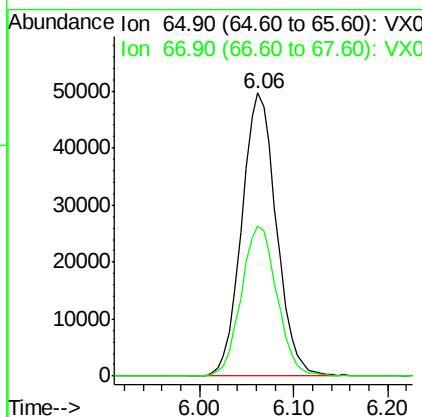
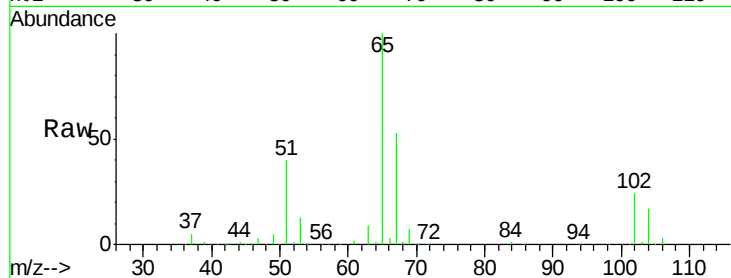
#33
 1,2-Dichloroethane-d4
 Concen: 49.151 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010428.D
 Acq: 25 Jun 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-B-061919

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.2

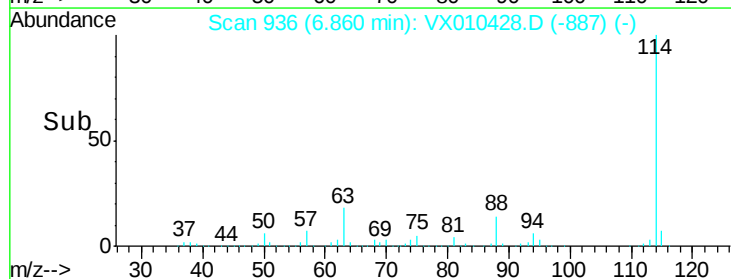
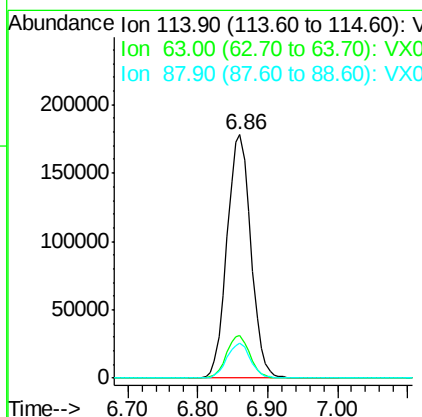
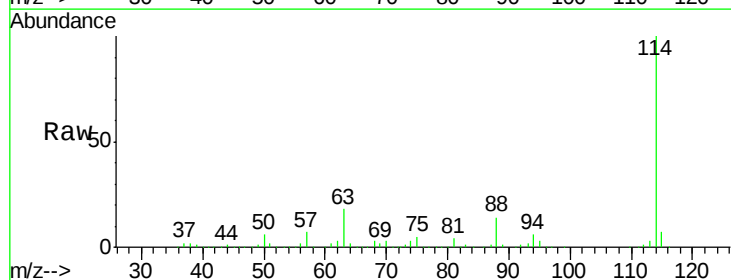
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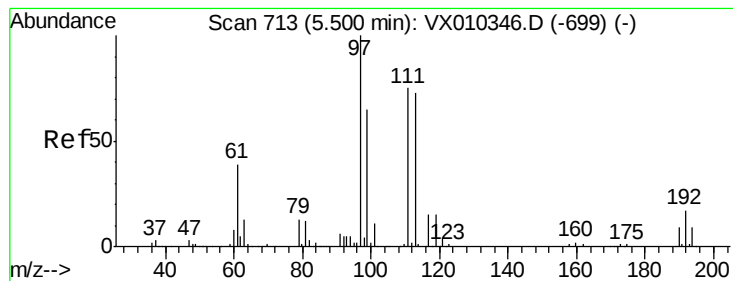
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010428.D
 Acq: 25 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	33.8
88	14.4	0.0	27.6





#35

Dibromofluoromethane

Concen: 49.765 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010428.D

Acq: 25 Jun 2019 10:58

Instrument :

MSVOA_X

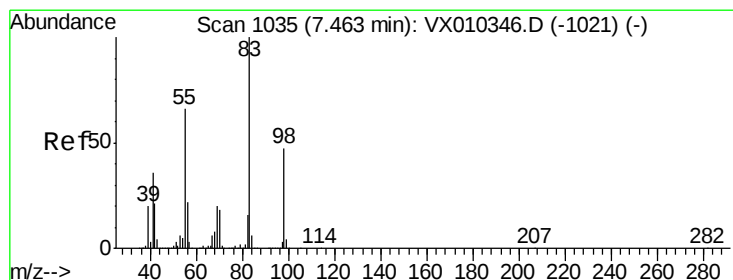
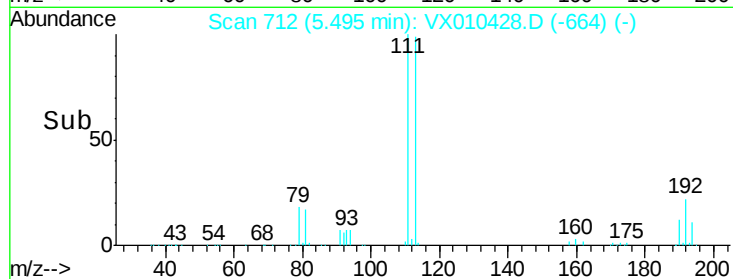
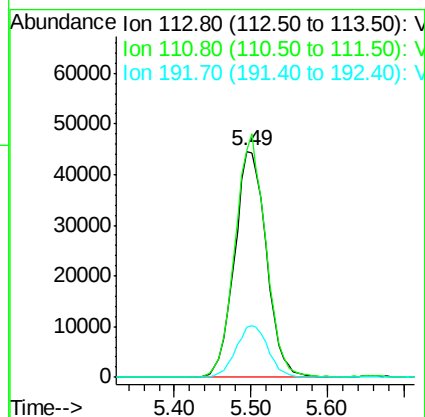
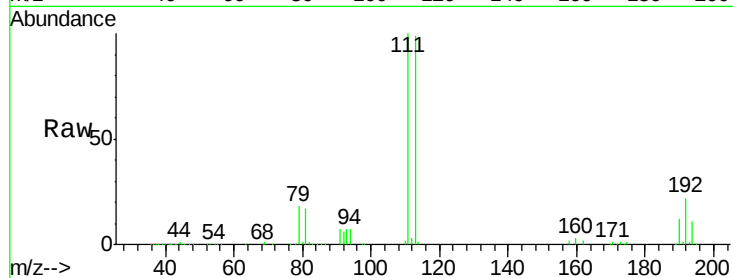
ClientSampleId :

GW-B-061919

Tot Ion:	113	Resp:	128788
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.2	121.8
192	23.1	18.6	27.8

Manual Integrations
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#39

Methylcyclohexane

Concen: 6.182 ug/l

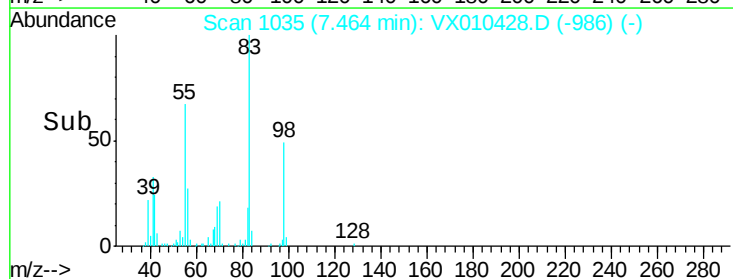
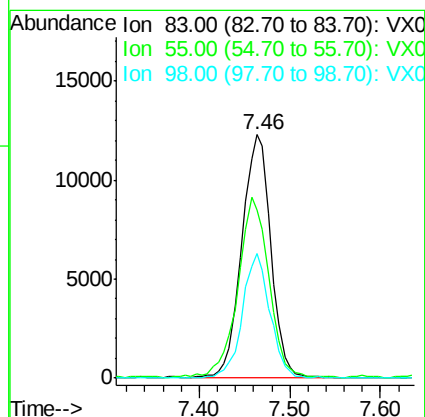
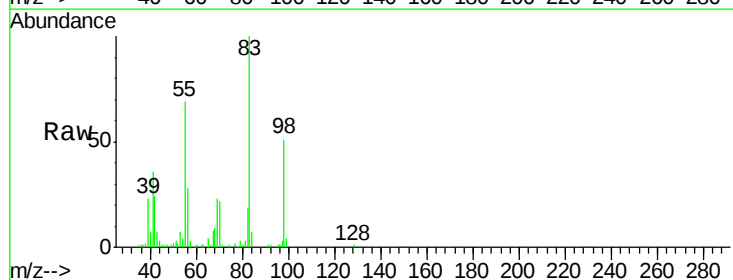
RT: 7.46 min Scan# 1035

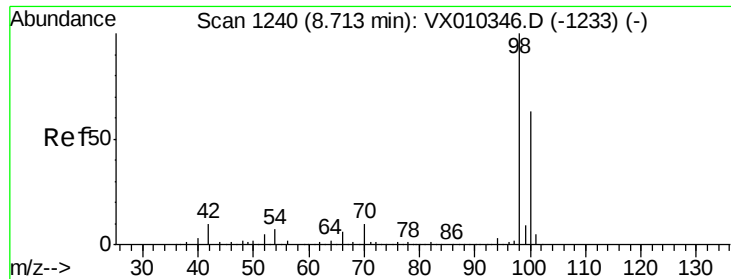
Delta R.T. 0.00 min

Lab File: VX010428.D

Acq: 25 Jun 2019 10:58

Tgt Ion:	83	Resp:	27314
Ion	Ratio	Lower	Upper
83	100		
55	69.2	53.0	79.6
98	51.1	37.8	56.8





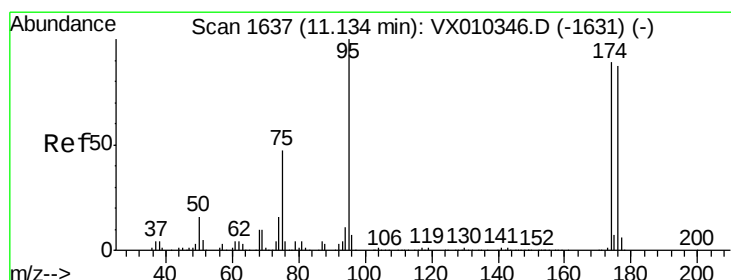
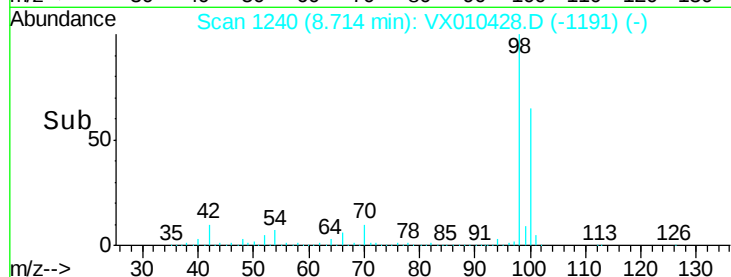
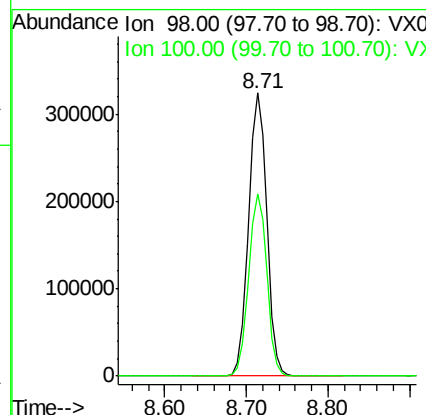
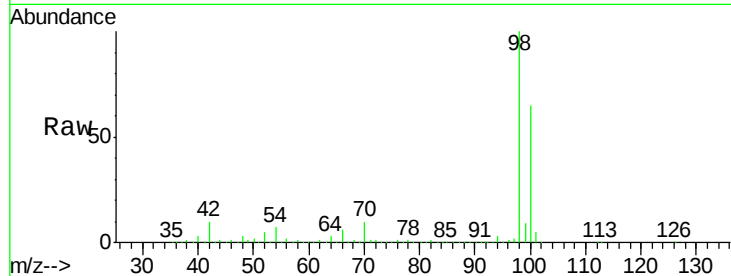
#50
Toluene-d8
Concen: 50.579 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion: 98 Resp: 500774
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

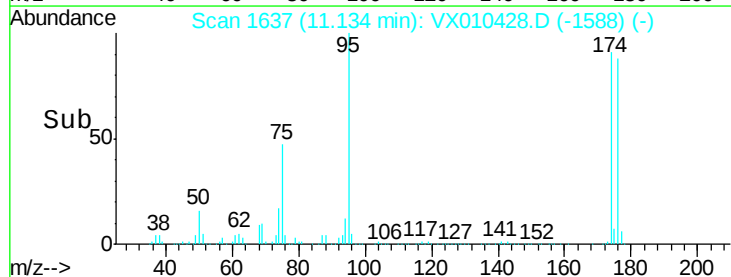
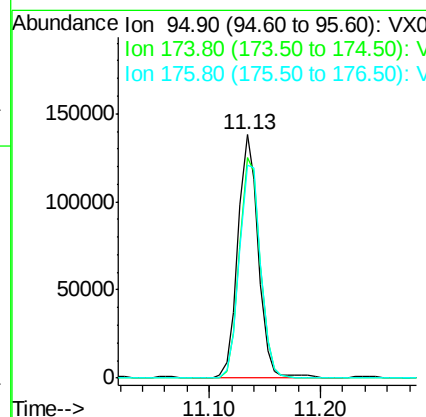
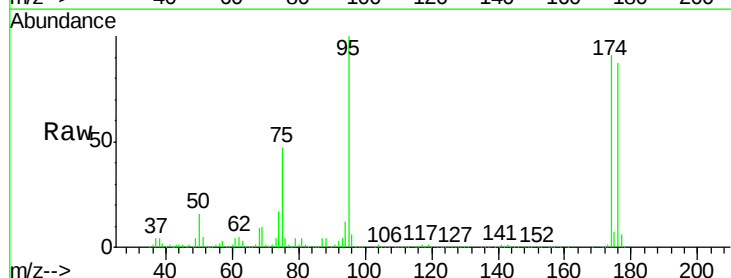
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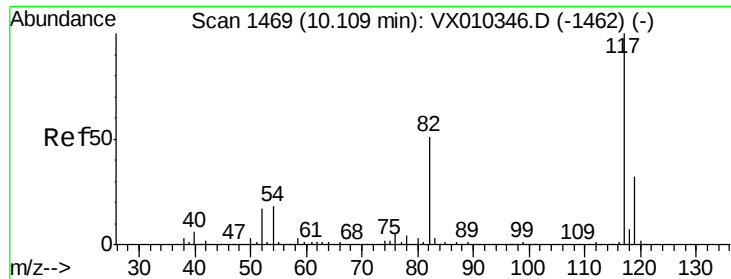
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#62
4-Bromofluorobenzene
Concen: 49.047 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Tgt Ion: 95 Resp: 175317
Ion Ratio Lower Upper
95 100
174 92.4 0.0 187.6
176 91.3 0.0 184.0





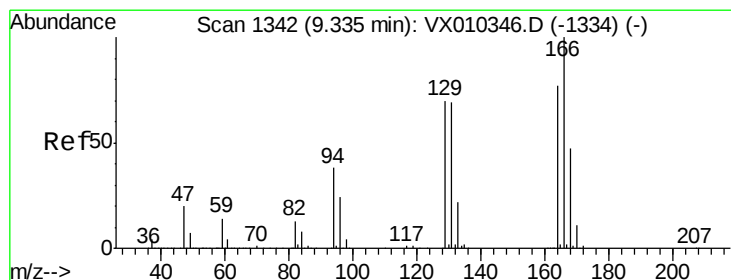
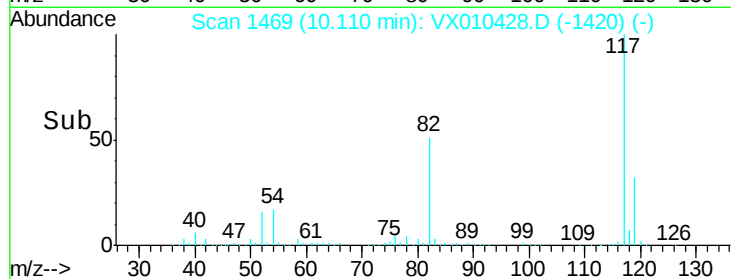
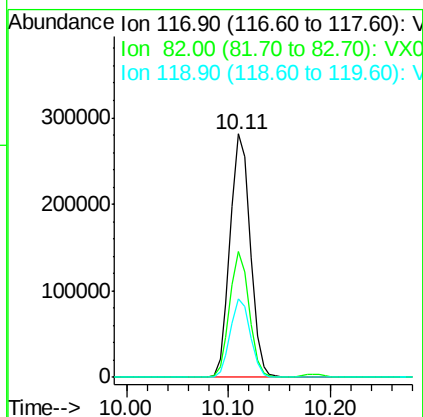
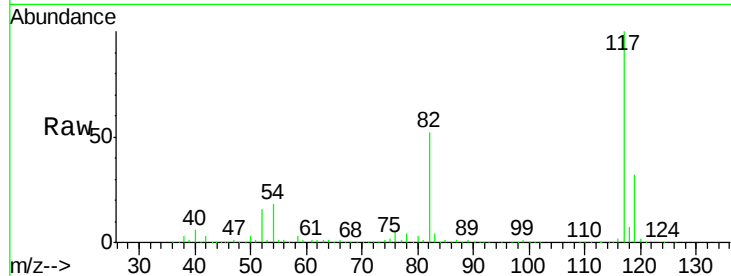
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion	Ratio	Resp	Lower	Upper
117	100	383557		
82	51.5	41.2	61.8	
119	32.3	25.5	38.3	

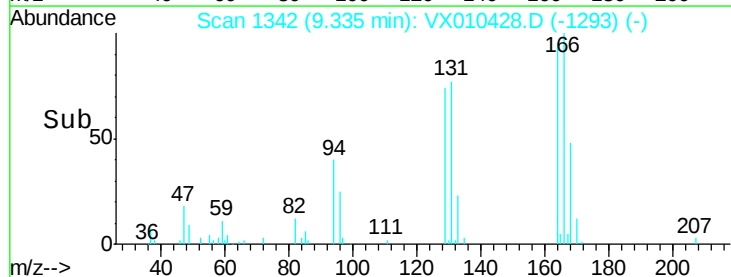
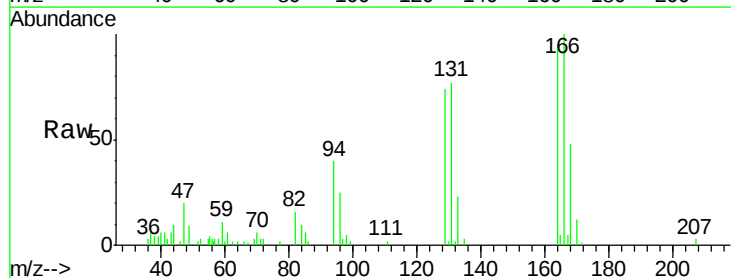
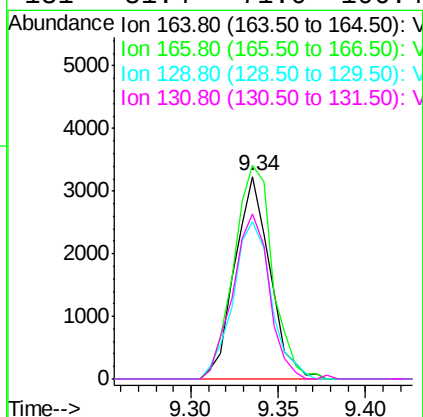
Manual Integrations
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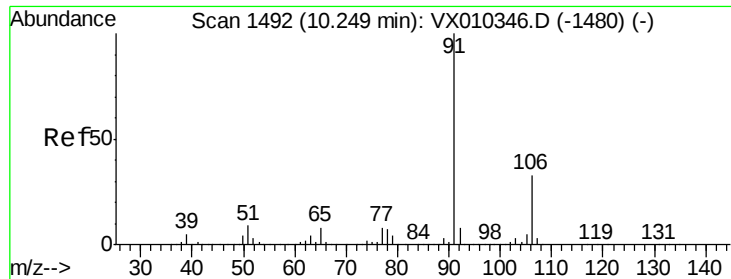
MMDadoda
6/26/2019 8:49:34 AM



#64
Tetrachloroethene
Concen: 1.456 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4516		
166	105.6	103.6	155.4	
129	78.1	73.0	109.4	
131	81.4	71.0	106.4	





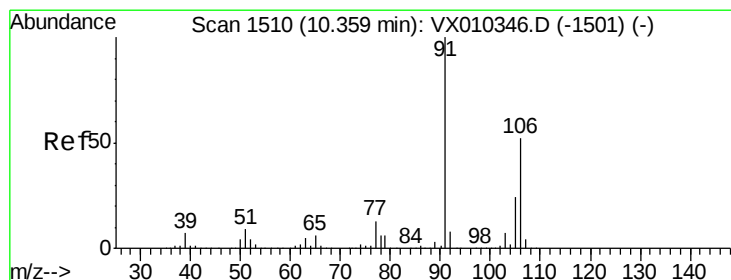
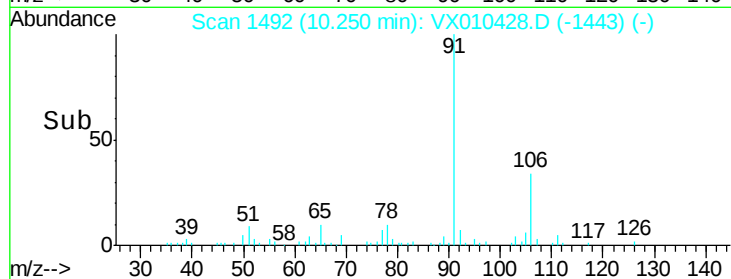
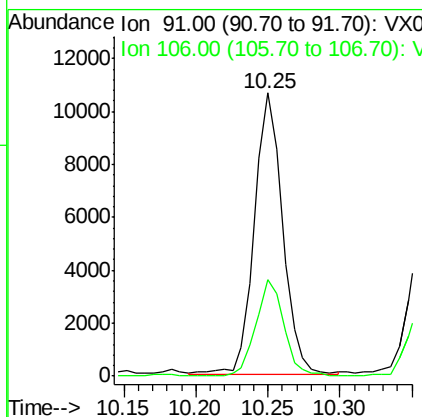
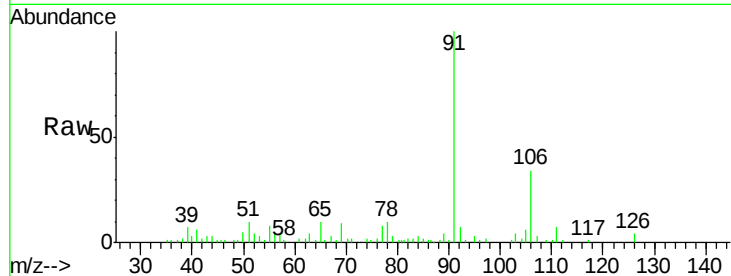
#67
Ethyl Benzene
Concen: 1.102 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion: 91 Resp: 14482
Ion Ratio Lower Upper
91 100
106 34.5 26.2 39.2

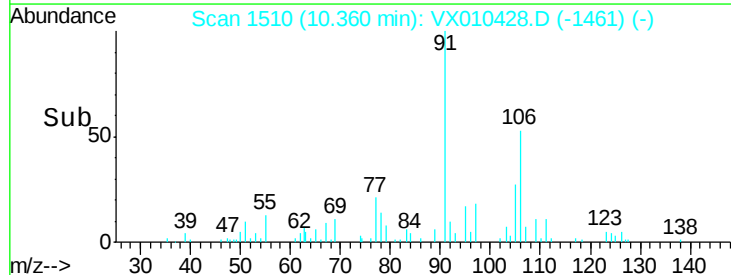
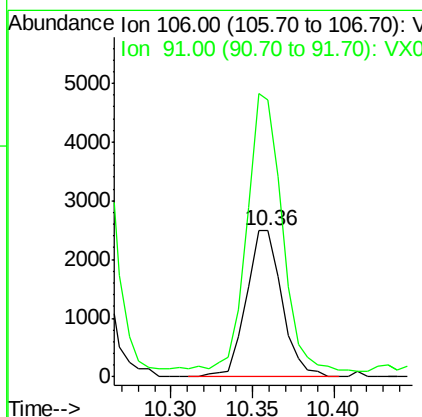
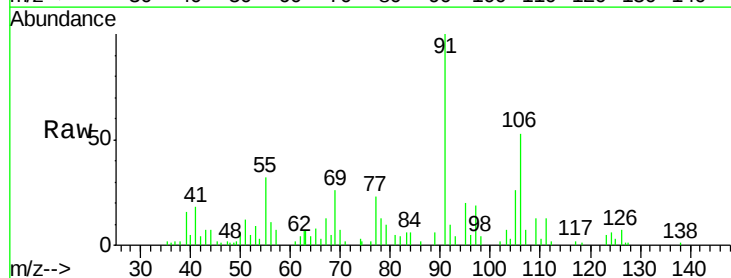
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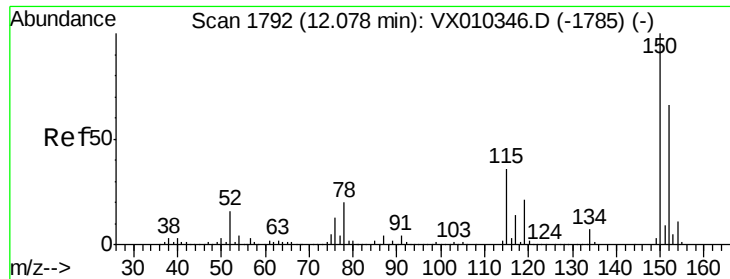
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#68
m/p-Xylenes
Concen: 0.744 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Tgt Ion: 106 Resp: 3789
Ion Ratio Lower Upper
106 100
91 189.7 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010428.D

Acq: 25 Jun 2019 10:58

Instrument :

MSVOA_X

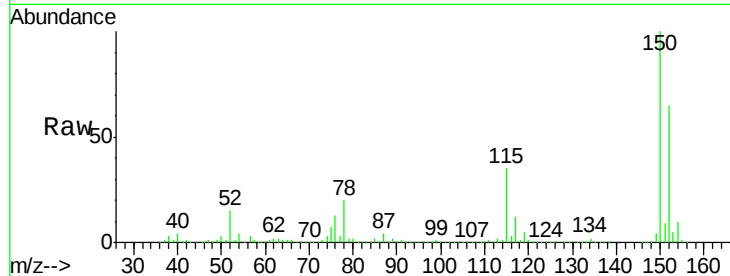
ClientSampleId :

GW-B-061919

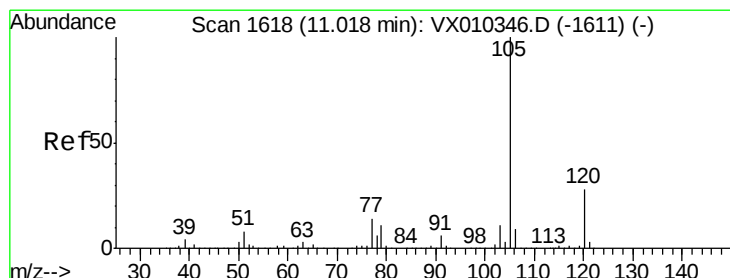
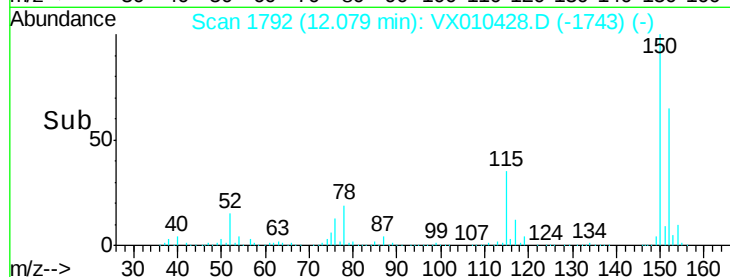
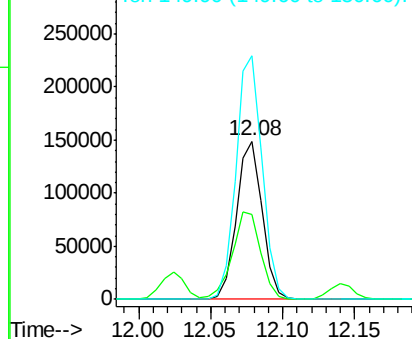
Tot Ion:	152	Resp:	185302
Ion Ratio	Lower	Upper	
152	100		
115	61.1	38.6	115.7
150	157.3	0.0	347.4

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 15.126 ug/l

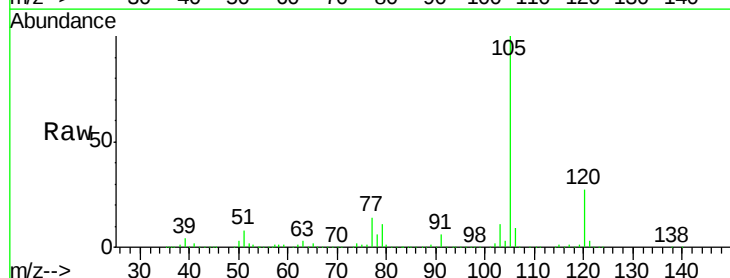
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

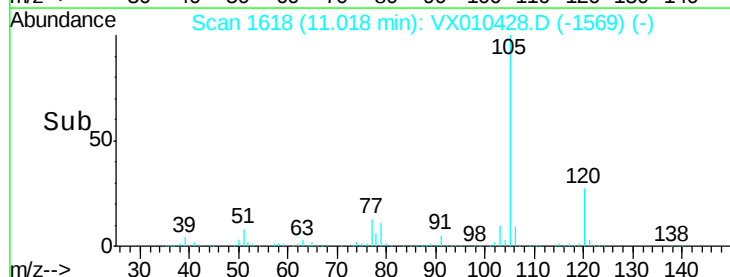
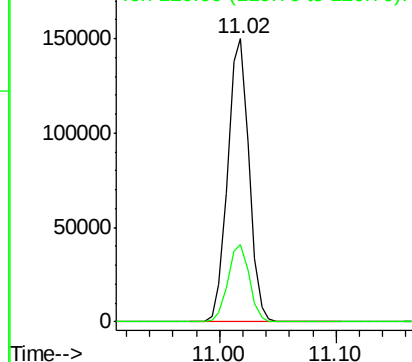
Lab File: VX010428.D

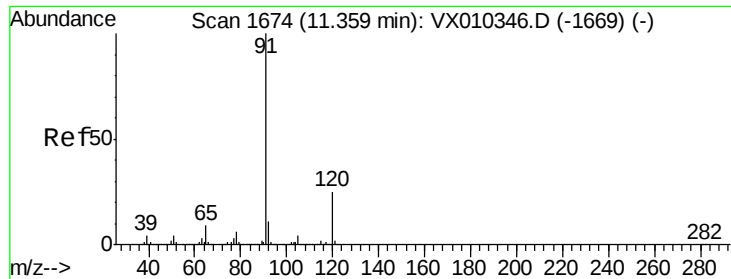
Acq: 25 Jun 2019 10:58

Tgt Ion:	105	Resp:	189995
Ion Ratio	Lower	Upper	
105	100		
120	27.5	14.1	42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 91.638 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010428.D

Acq: 25 Jun 2019 10:58

Instrument :

MSVOA_X

ClientSampled :

GW-B-061919

Tot Ion: 91 Resp: 1265084

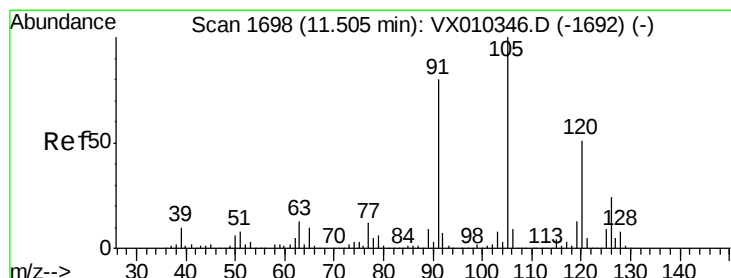
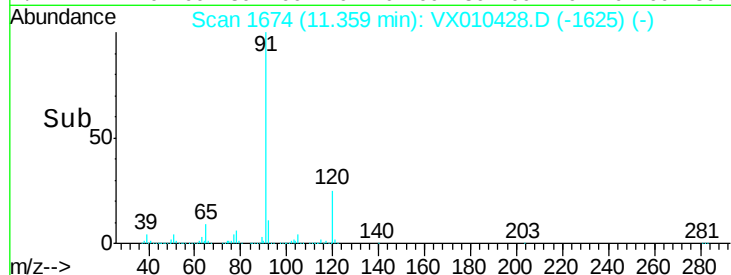
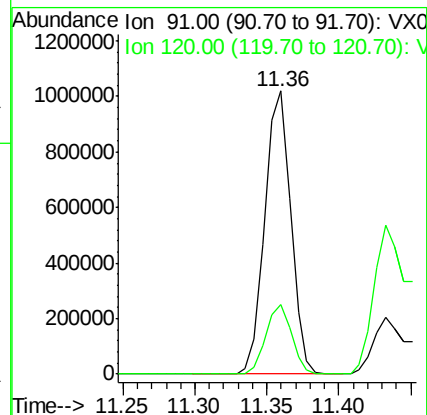
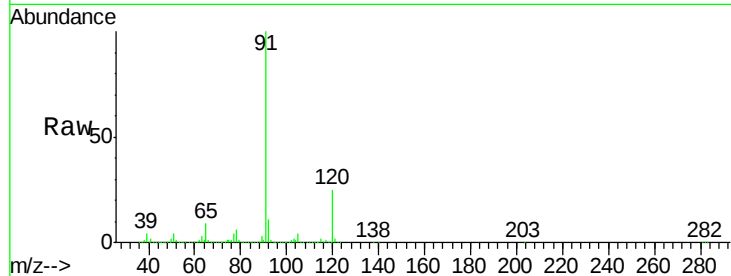
Ion Ratio Lower Upper

91 100

120 24.5 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 131.948 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010428.D

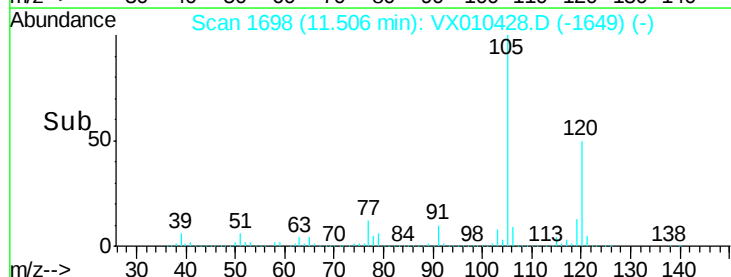
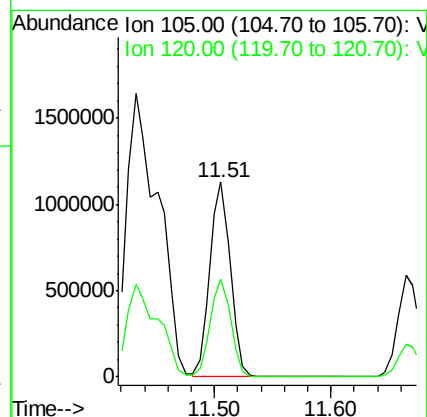
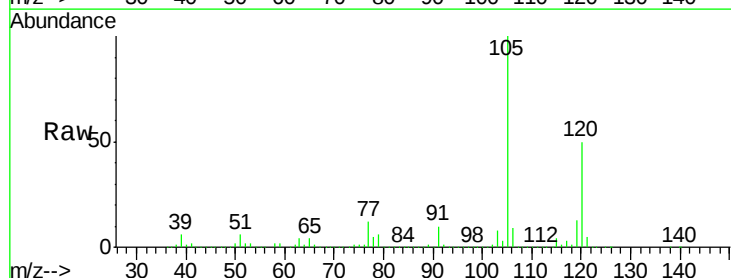
Acq: 25 Jun 2019 10:58

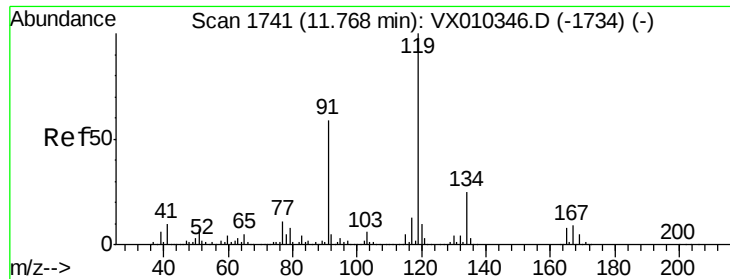
Tgt Ion: 105 Resp: 1366347

Ion Ratio Lower Upper

105 100

120 50.2 25.2 75.6





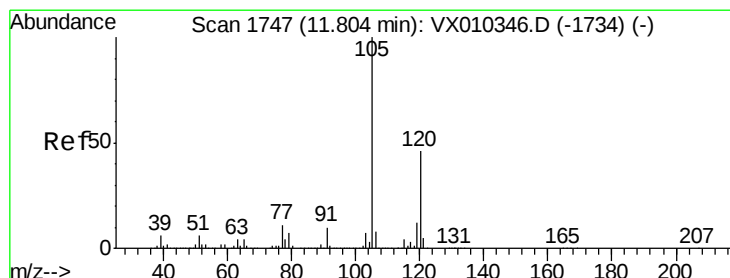
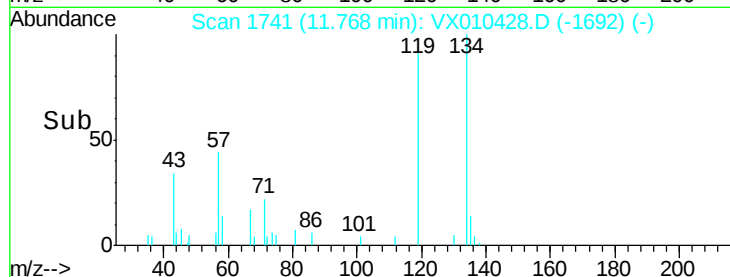
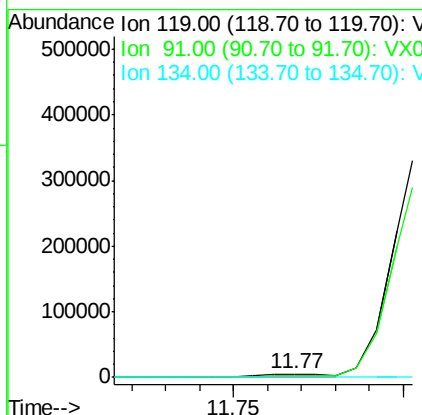
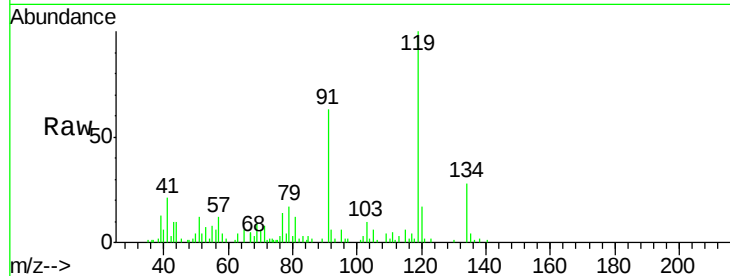
#83
tert-Butylbenzene
Concen: 0.596 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion:119 Resp: 6198
Ion Ratio Lower Upper
119 100
91 6325.8 27.6 82.7
134 0.0 11.8 35.4#

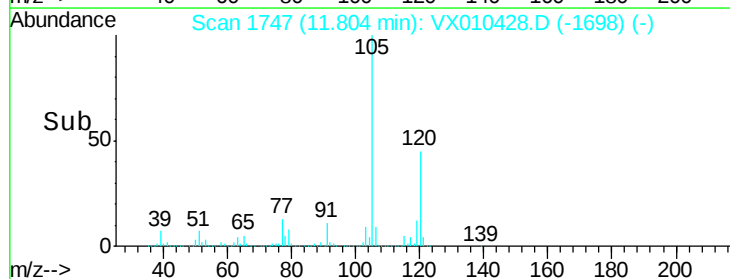
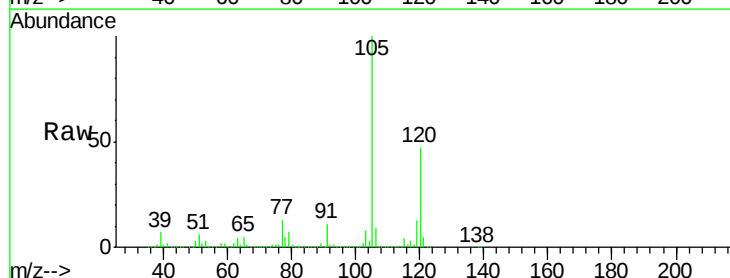
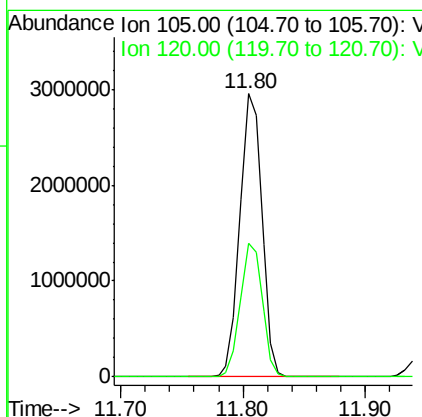
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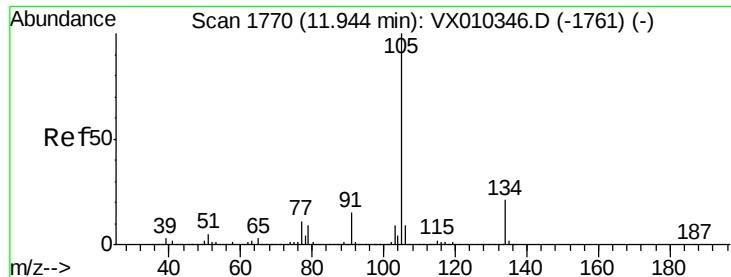
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#84
1,2,4-Trimethylbenzene
Concen: 353.992 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Tgt Ion:105 Resp: 3682842
Ion Ratio Lower Upper
105 100
120 47.2 23.1 69.2





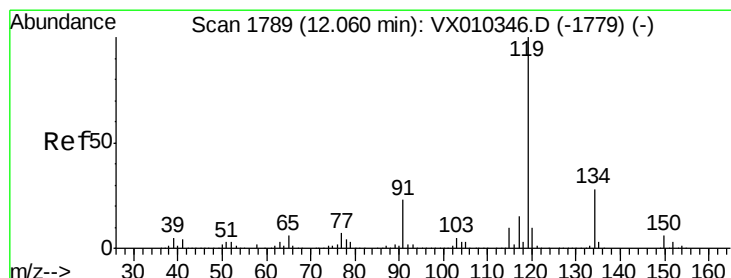
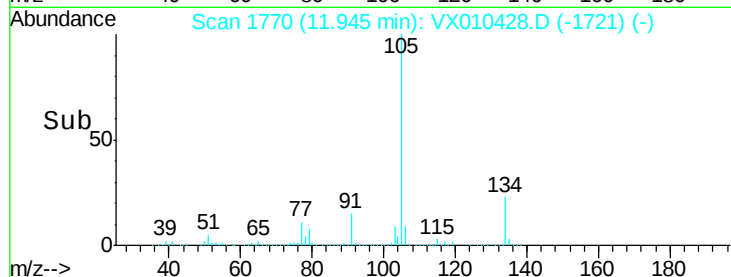
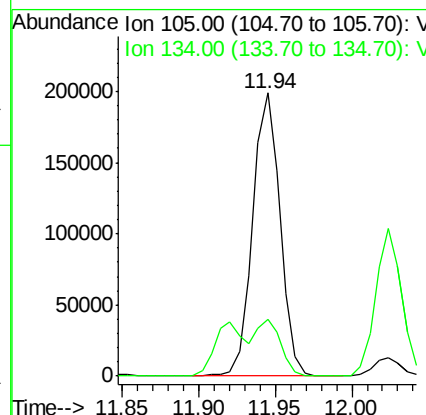
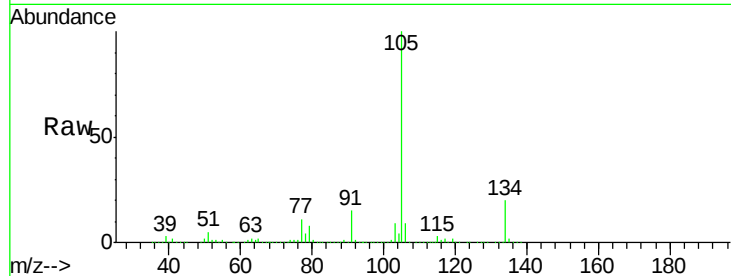
#85
 sec-Butylbenzene
 Concen: 20.167 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010428.D
 Acq: 25 Jun 2019 10:58

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-B-061919

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	10.7	31.9

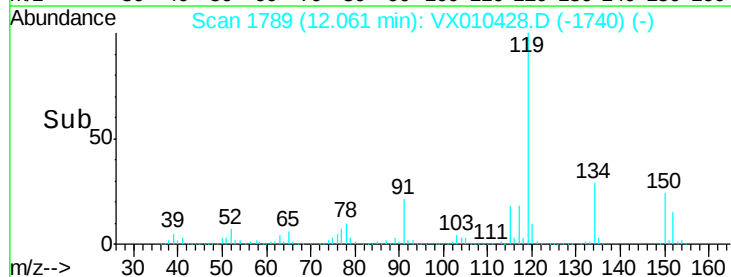
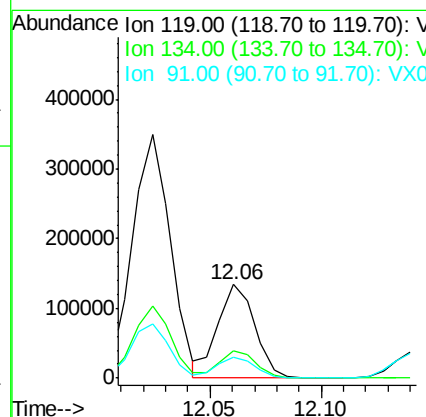
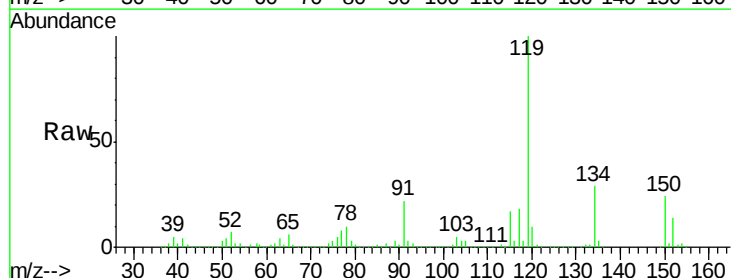
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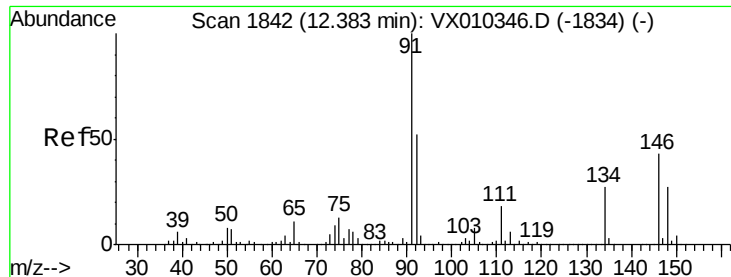
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#86
 p-Isopropyltoluene
 Concen: 13.692 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010428.D
 Acq: 25 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.1
91	22.6	11.3	33.8





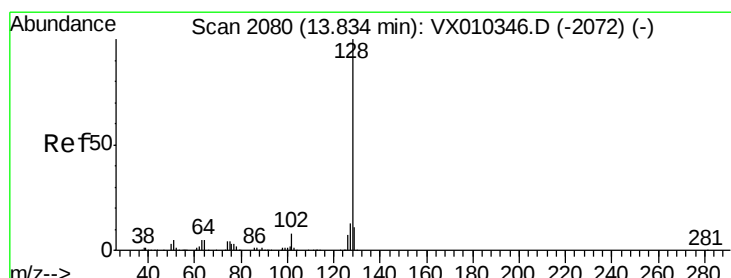
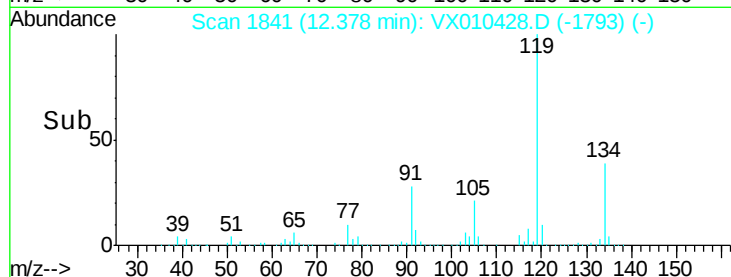
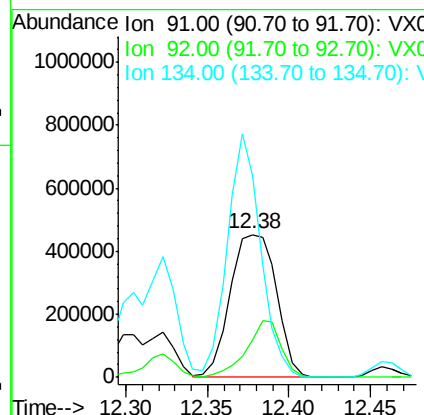
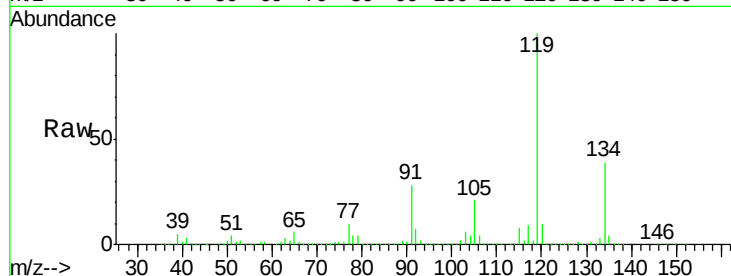
#89
n-Butylbenzene
Concen: 92.894 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Instrument :
MSVOA_X
ClientSampleId :
GW-B-061919

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.1	26.2	78.5
134	121.9	14.1	42.4

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#95
Naphthalene
Concen: 2.931 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010428.D
Acq: 25 Jun 2019 10:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	18.6	10.2	15.4
129	0.0	8.9	13.3

