

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
 Data File : VX011731.D
 Acq On : 21 Aug 2019 14:44
 Operator : JC/SP
 Sample : K4451-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-1-B-1

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 10:01:29 AM

Quant Time: Aug 22 03:58:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	439292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	618690	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	554300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	285798	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	227214	55.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.54%	
35) Dibromofluoromethane	5.49	113	185709	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
50) Toluene-d8	8.71	98	707968	56.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.30%	
62) 4-Bromofluorobenzene	11.13	95	261640	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	9782	2.181	ug/l	93
16) Acetone	2.43	43	38810	18.946	ug/l	98
18) Methyl Acetate	2.77	43	3600	0.567	ug/l #	69
19) Methyl tert-butyl Ether	3.19	73	7163	0.587	ug/l	92
40) Benzene	6.14	78	152796	9.295	ug/l	99
67) Ethyl Benzene	10.25	91	8432	0.427	ug/l	97
73) Isopropylbenzene	11.02	105	46310	2.497	ug/l	99
78) n-propylbenzene	11.36	91	38461	1.923	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	19395	1.245	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	83168	5.318	ug/l	100
85) sec-Butylbenzene	11.94	105	37036	2.069	ug/l	89
86) p-Isopropyltoluene	12.06	119	10619	0.631	ug/l	89
89) n-Butylbenzene	12.38	91	15286m	1.104	ug/l	
95) Naphthalene	13.83	128	52143	2.600	ug/l #	91

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

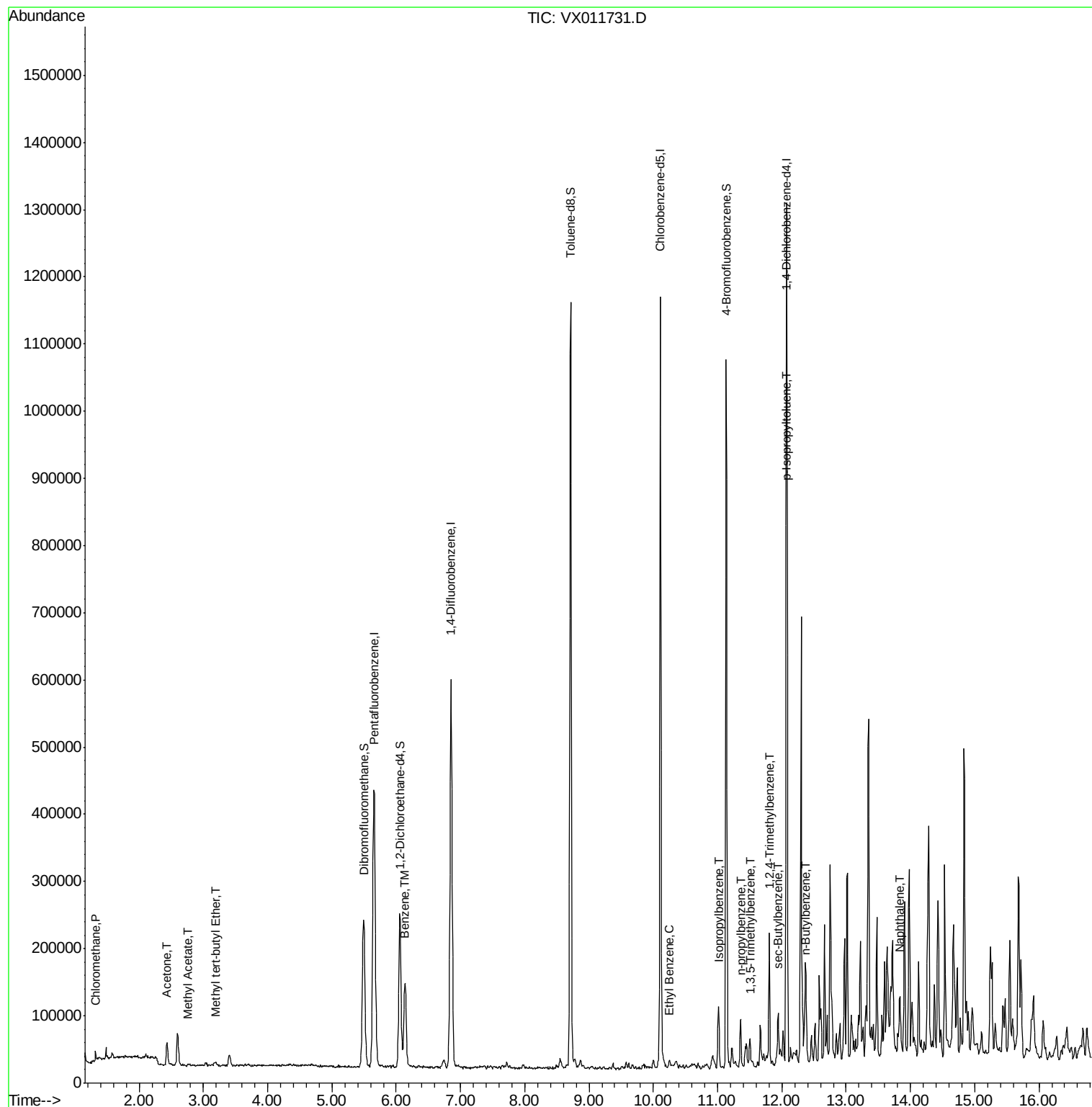
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
Data File : VX011731.D
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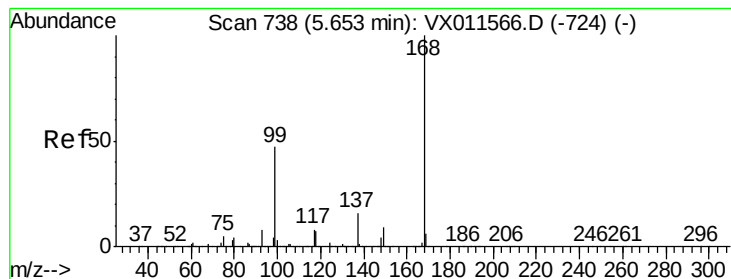
Instrument :
MSVOA_X
ClientSampleId :
TWP-1-B-1

Manual Integrations
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Quant Time: Aug 22 03:58:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011731.D

Acq: 21 Aug 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

TWP-1-B-1

Tot Ion:168 Resp: 439292

Ion Ratio Lower Upper

168 100

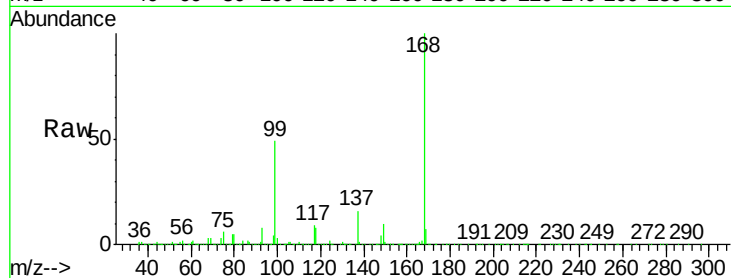
99 49.4 37.3 55.9

Manual Integrations

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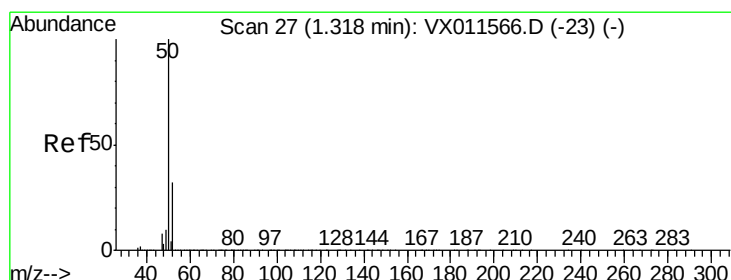
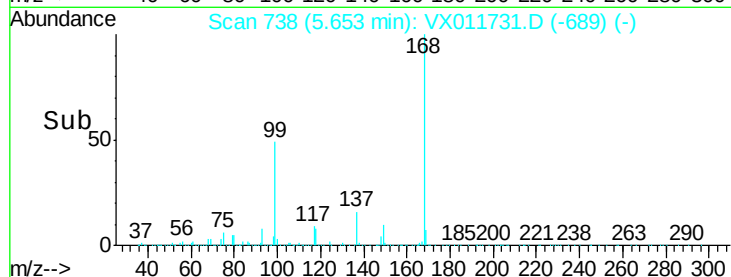
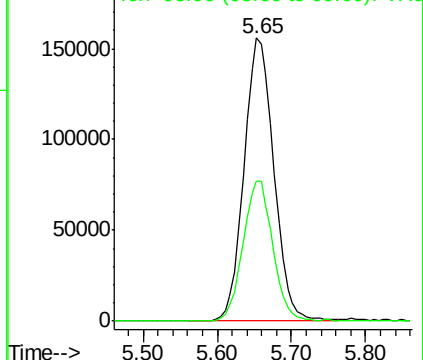
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.181 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011731.D

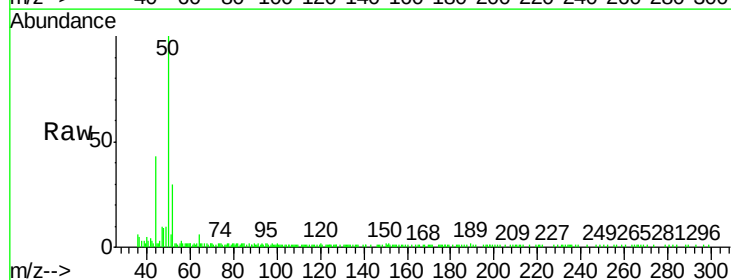
Acq: 21 Aug 2019 14:44

Tgt Ion: 50 Resp: 9782

Ion Ratio Lower Upper

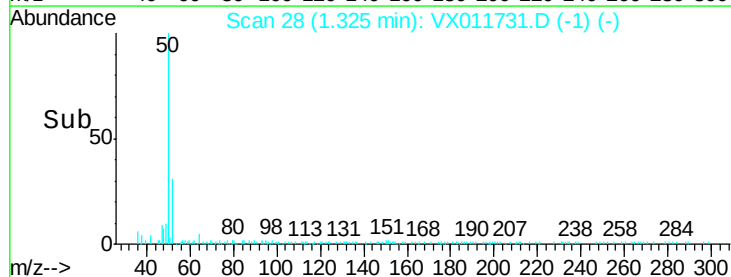
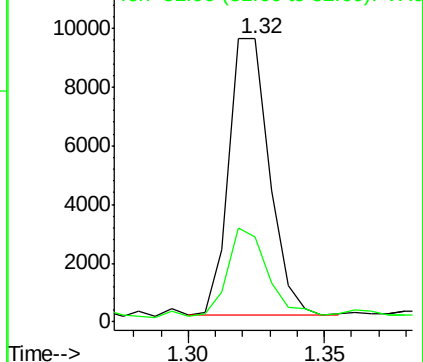
50 100

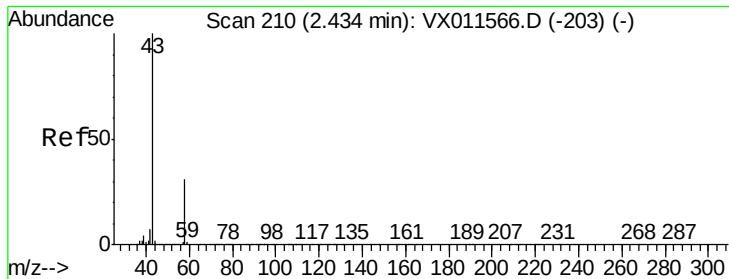
52 28.8 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





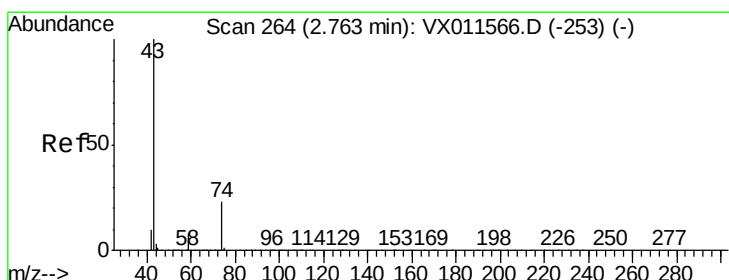
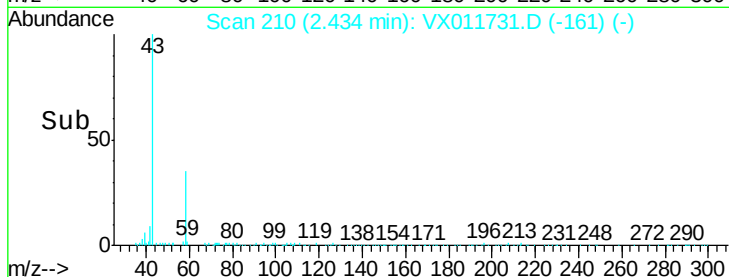
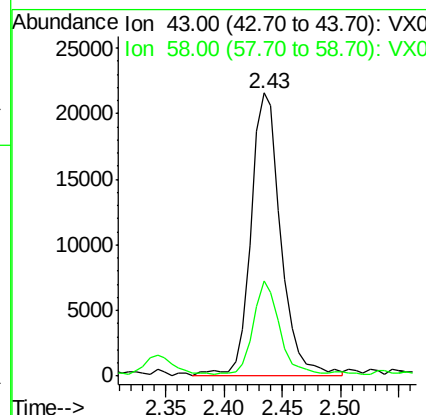
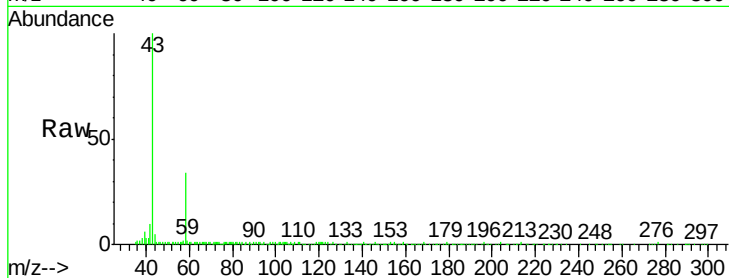
#16
Acetone
Concen: 18.946 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Instrument :
MSVOA_X
ClientSampled :
TWP-1-B-1

Tot Ion	43	Resp	38810
Ion Ratio	100	Lower	Upper
43	100	25.2	37.8
58	32.6		

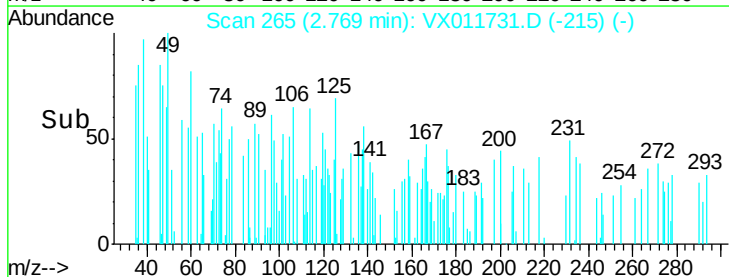
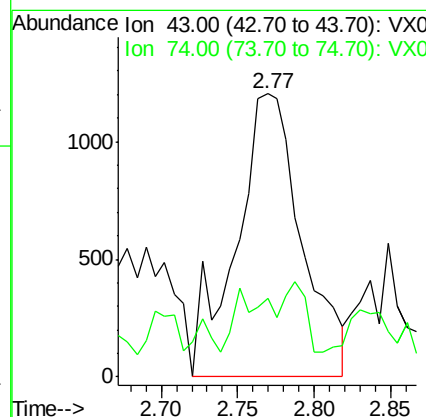
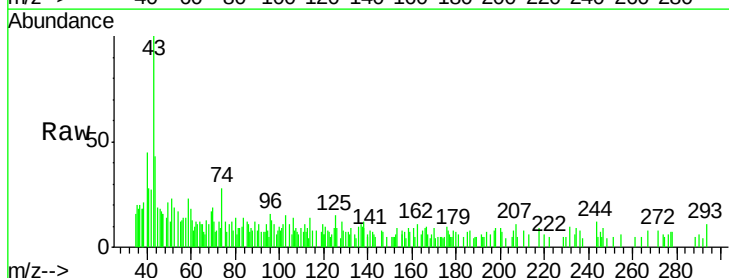
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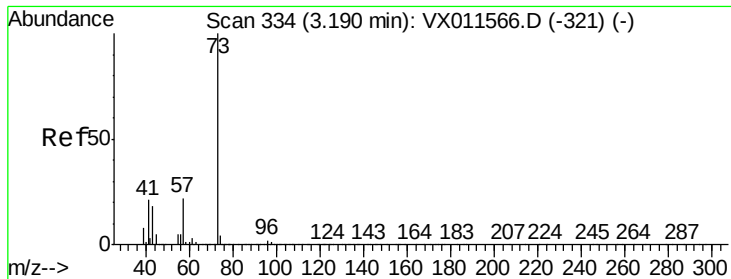
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#18
Methyl Acetate
Concen: 0.567 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Tgt Ion	43	Resp	3600
Ion Ratio	100	Lower	Upper
43	100	19.7	29.5
74	9.3		





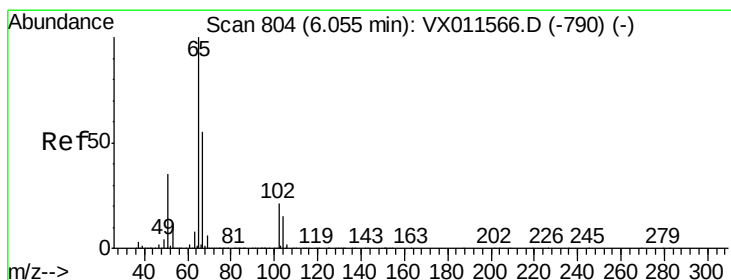
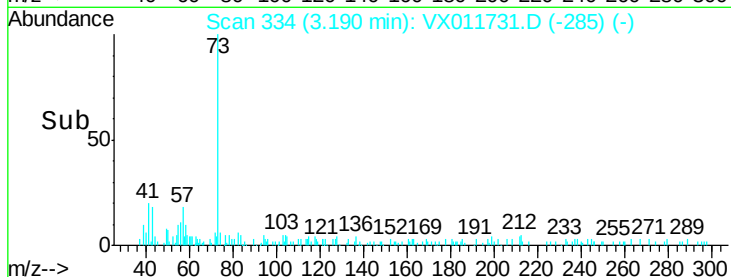
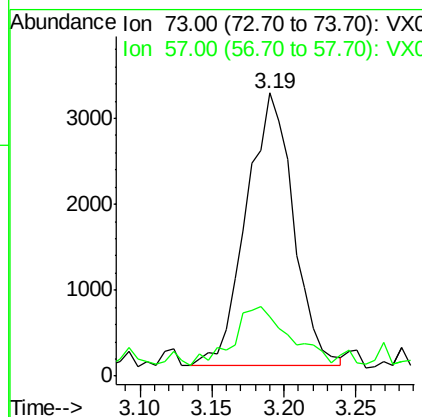
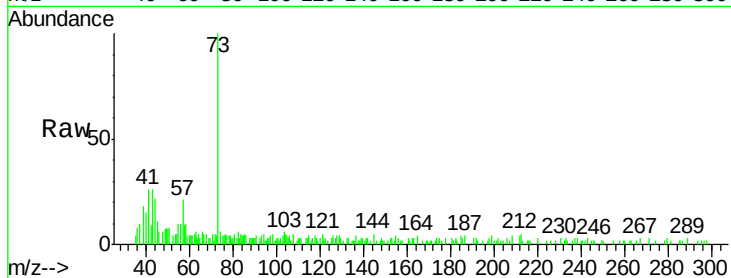
#19
Methvl tert-butyl Ether
Concen: 0.587 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
TWP-1-B-1

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.7	17.2	25.8

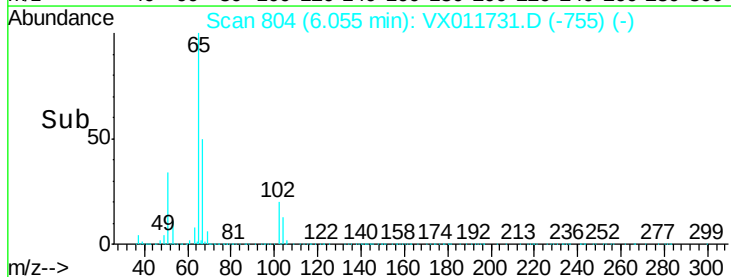
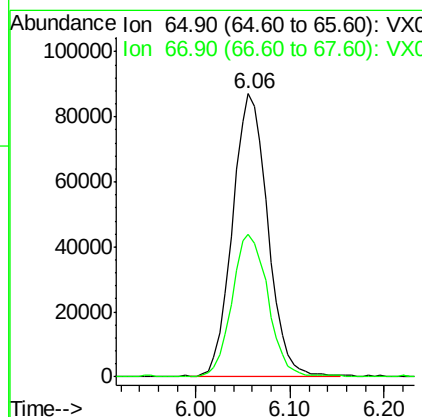
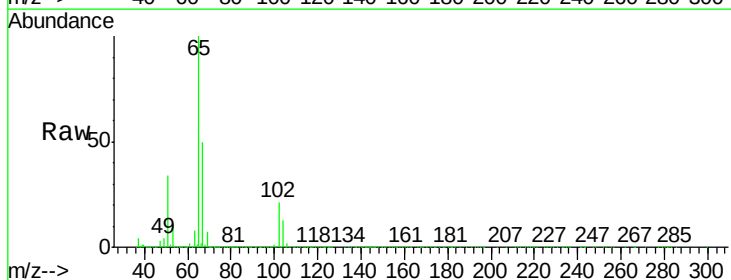
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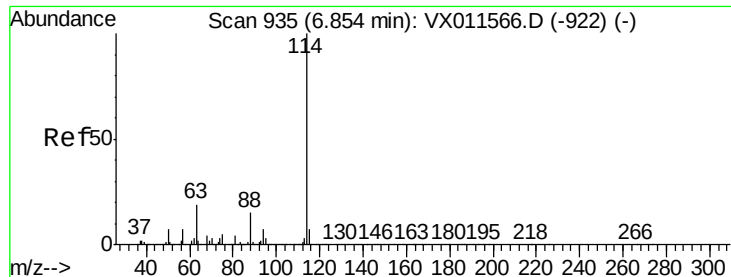
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#33
1,2-Dichloroethane-d4
Concen: 55.774 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	107.6





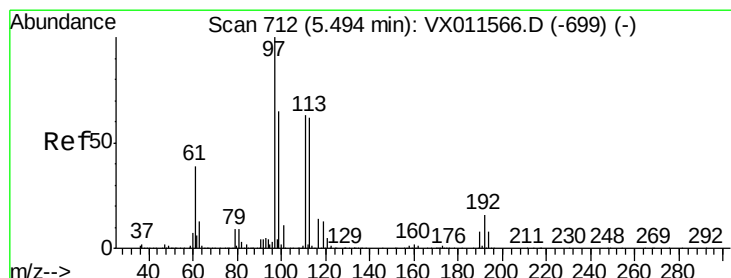
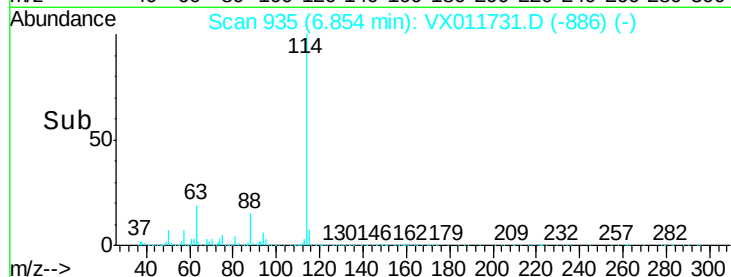
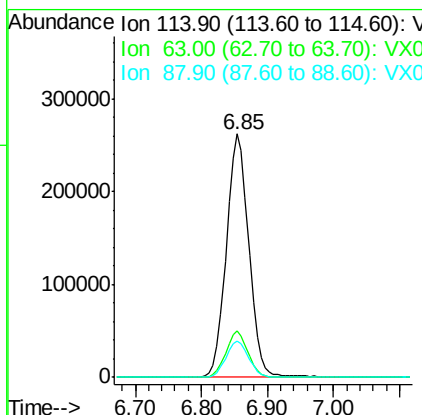
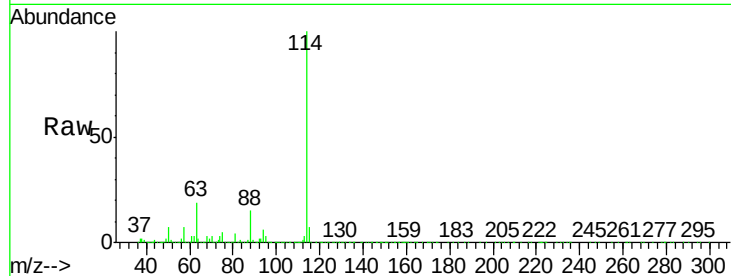
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
TWP-1-B-1

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.8	0.0	37.8
88	14.9	0.0	30.2

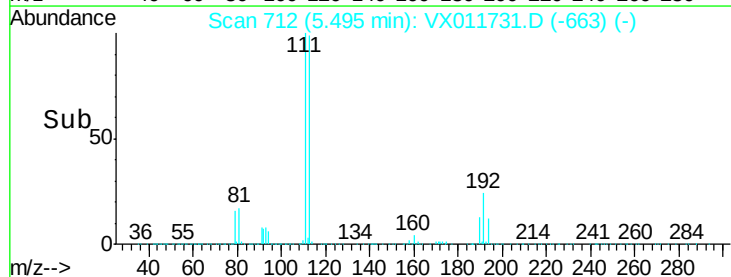
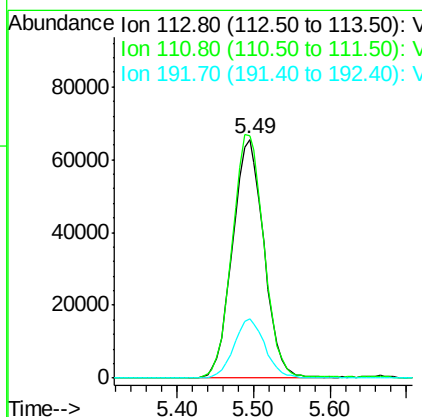
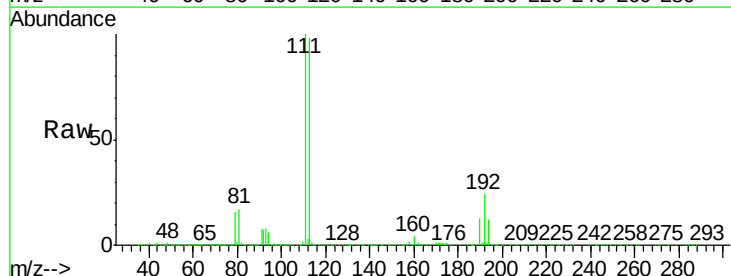
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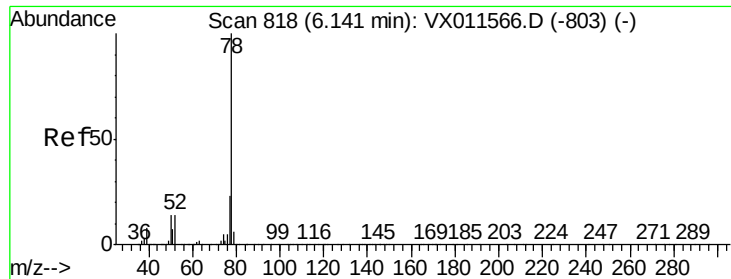
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#35
Dibromofluoromethane
Concen: 45.892 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.0	81.1	121.7
192	24.6	20.8	31.2





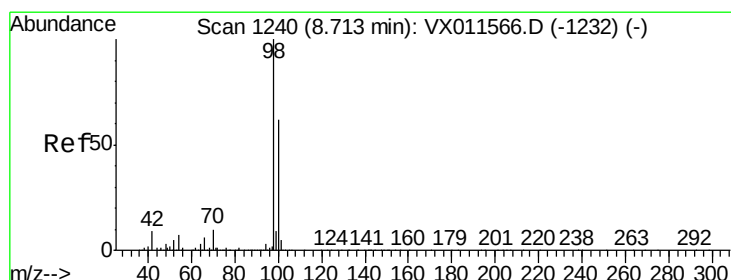
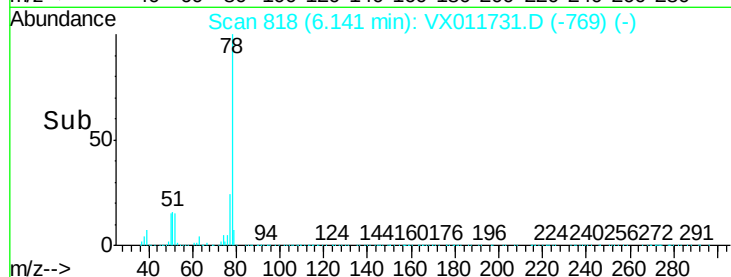
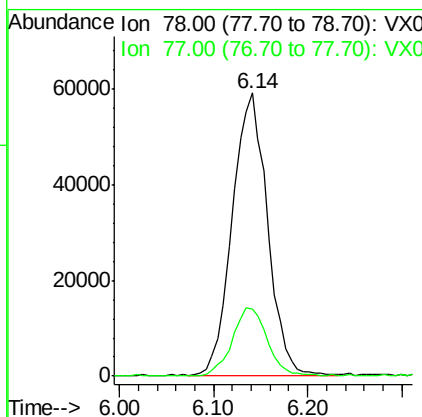
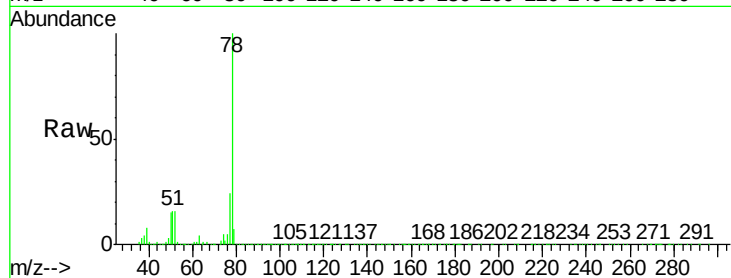
#40
Benzene
Concen: 9.295 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
TWP-1-B-1

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0

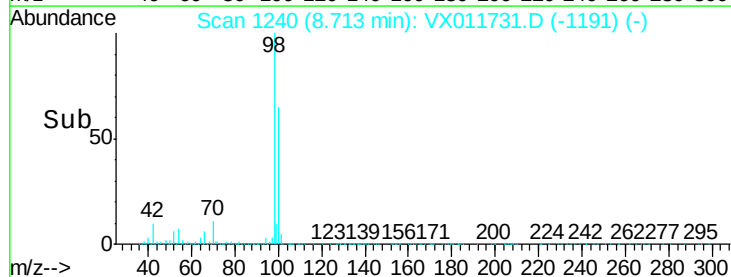
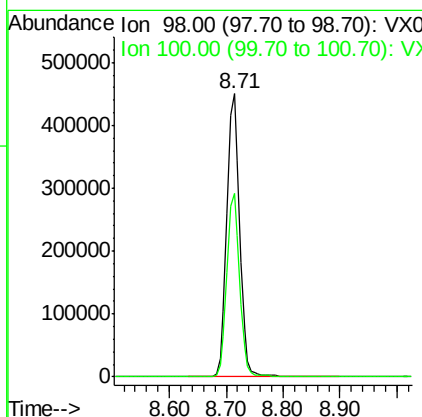
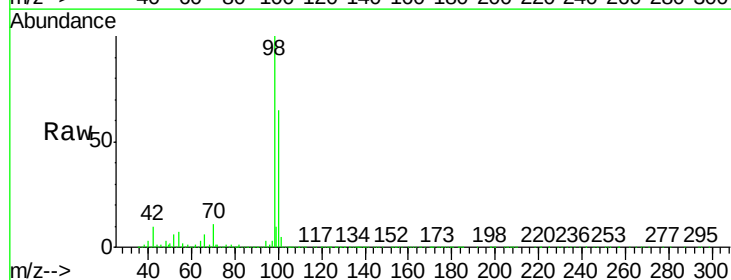
Manual Integrations
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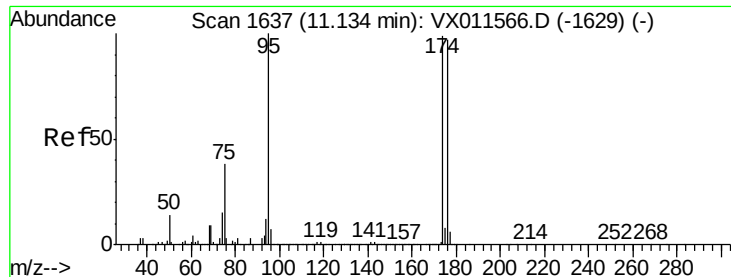
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#50
Toluene-d8
Concen: 56.149 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.4	78.6





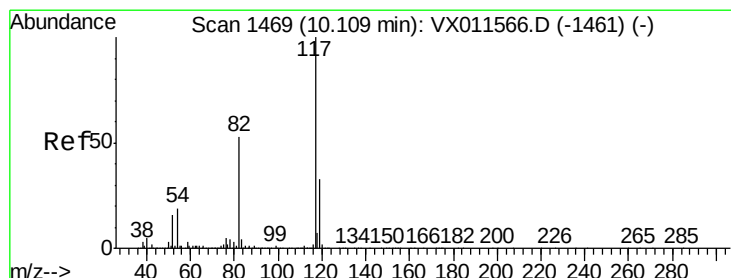
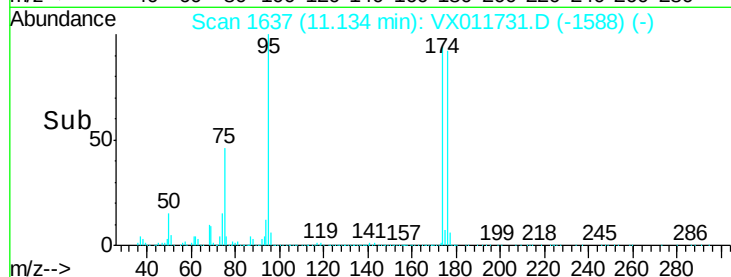
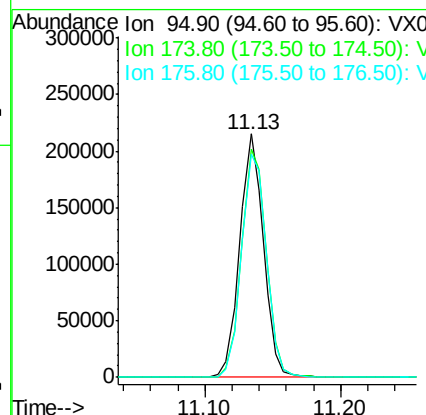
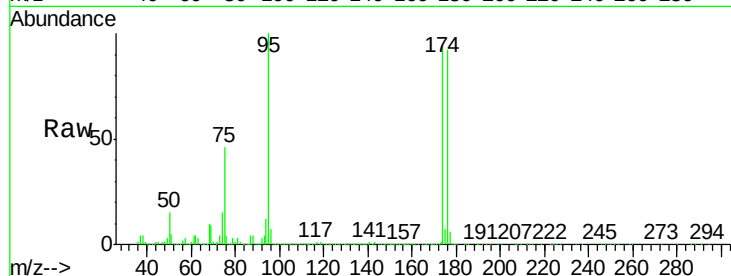
#62
4-Bromofluorobenzene
Concen: 49.162 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
TWP-1-B-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	261640		
174	97.7	0.0	200.6	
176	96.1	0.0	196.6	

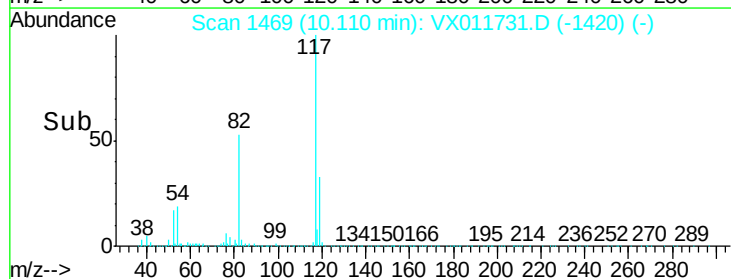
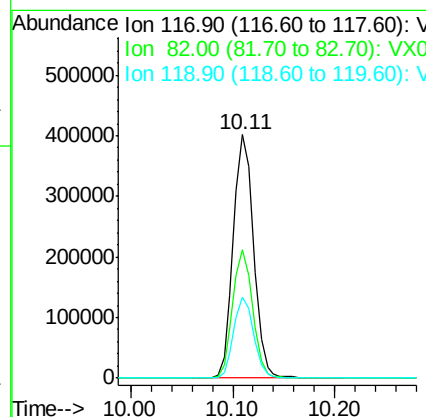
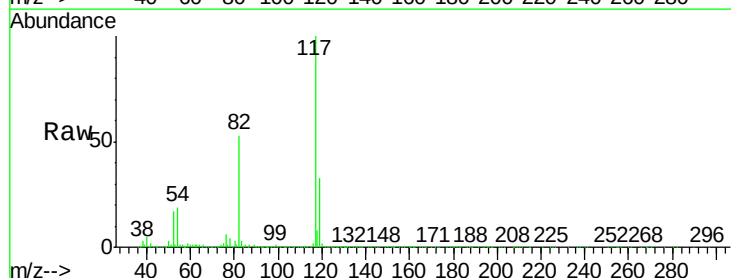
Manual Integrations
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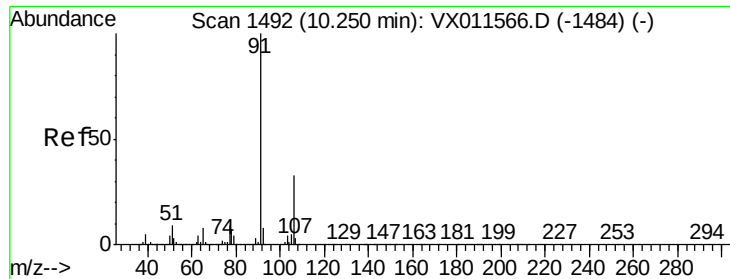
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	554300		
82	52.9	42.0	63.0	
119	33.2	26.5	39.7	





#67

Ethyl Benzene

Concen: 0.427 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011731.D

Acq: 21 Aug 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

TWP-1-B-1

Tot Ion: 91 Resp: 8432

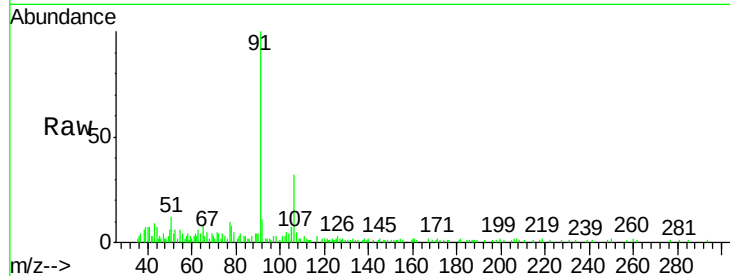
Ion Ratio Lower Upper

91 100

106 30.9 26.0 39.0

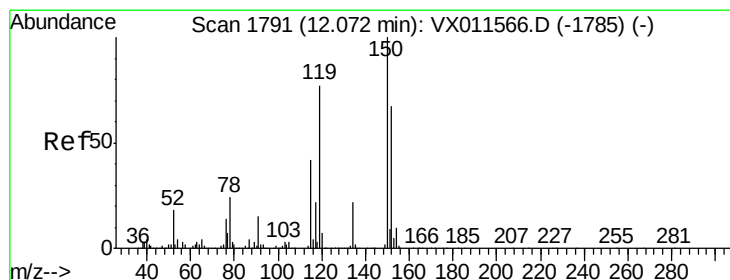
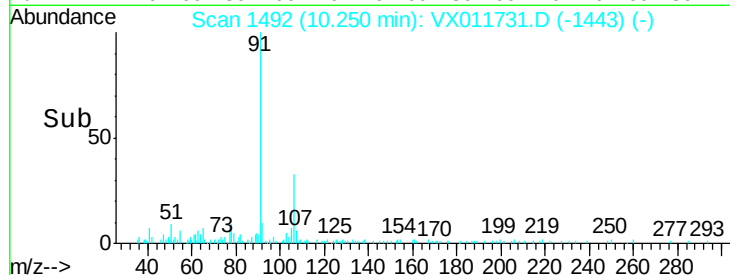
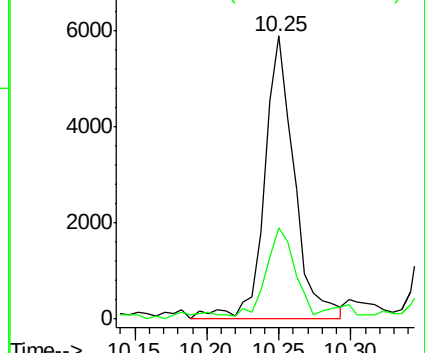
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011731.D

Acq: 21 Aug 2019 14:44

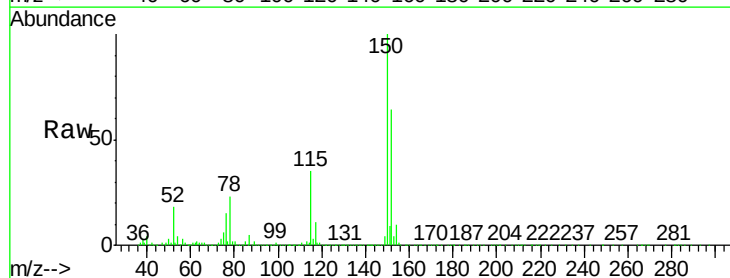
Tgt Ion: 152 Resp: 285798

Ion Ratio Lower Upper

152 100

115 54.5 37.3 111.9

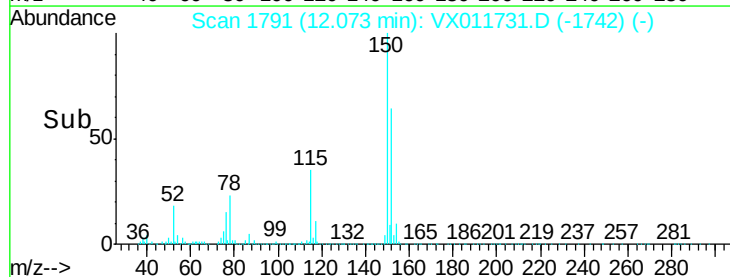
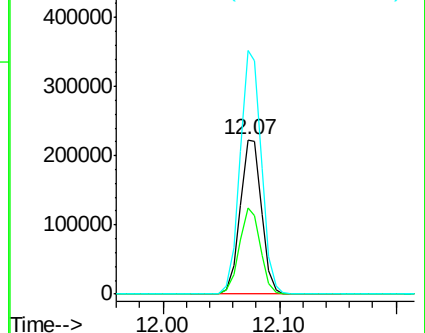
150 157.1 0.0 346.2

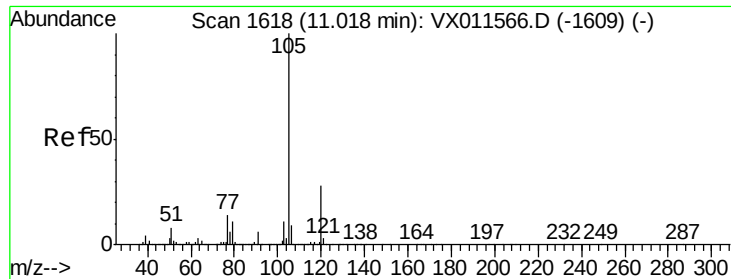


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.497 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011731.D

Acq: 21 Aug 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

TWP-1-B-1

Tot Ion: 105 Resp: 46310

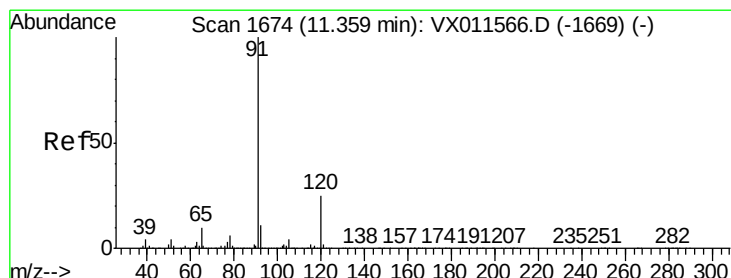
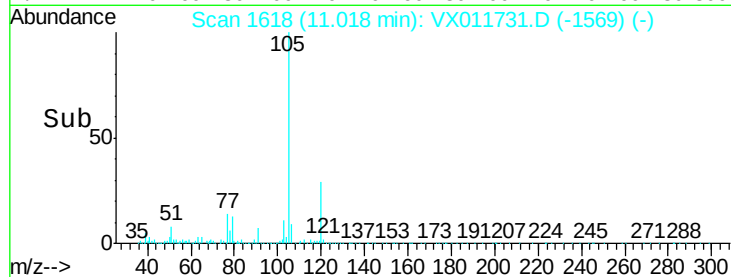
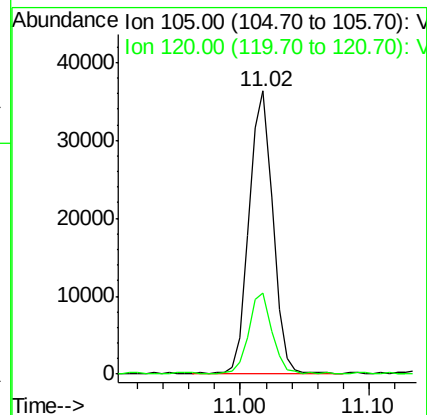
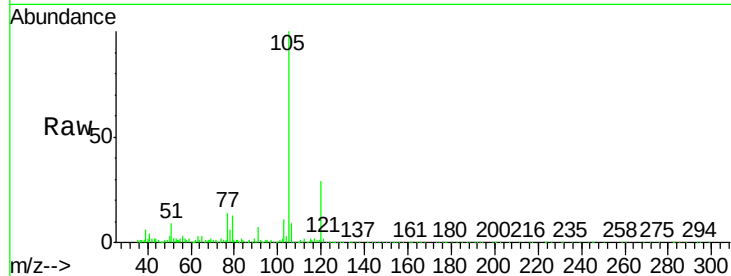
Ion Ratio Lower Upper

105 100

120 28.4 14.0 41.9

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#78

n-propylbenzene

Concen: 1.923 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011731.D

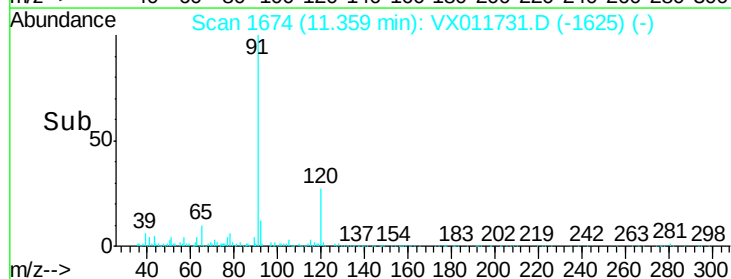
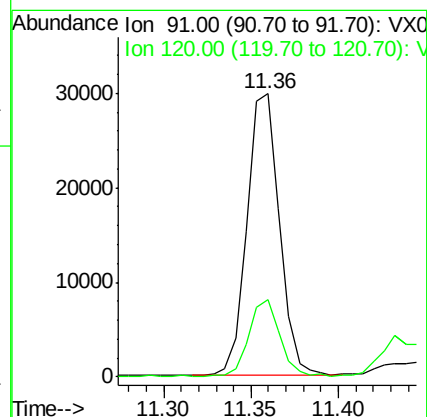
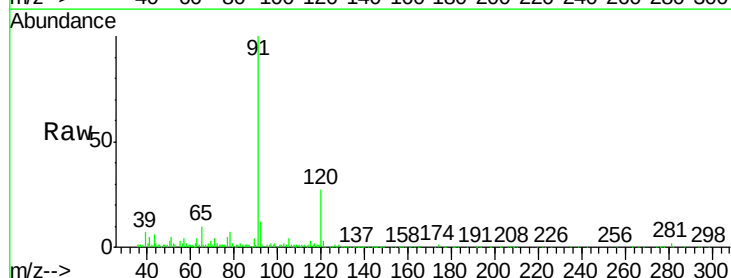
Acq: 21 Aug 2019 14:44

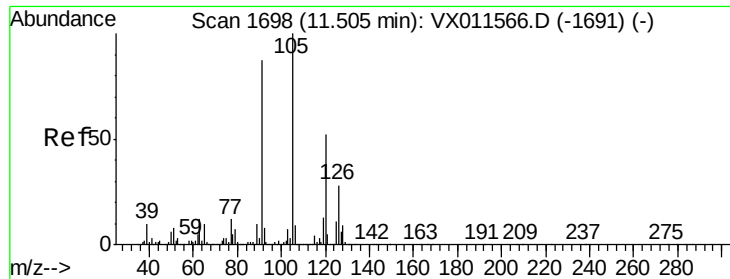
Tgt Ion: 91 Resp: 38461

Ion Ratio Lower Upper

91 100

120 26.7 12.6 37.6





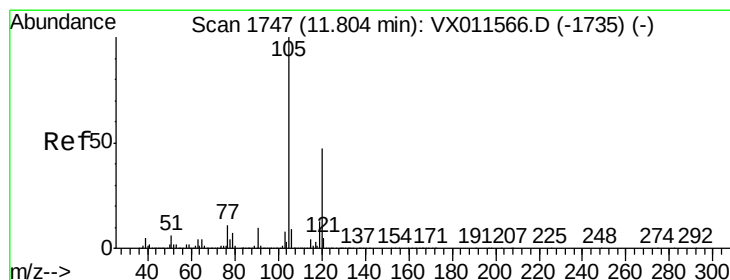
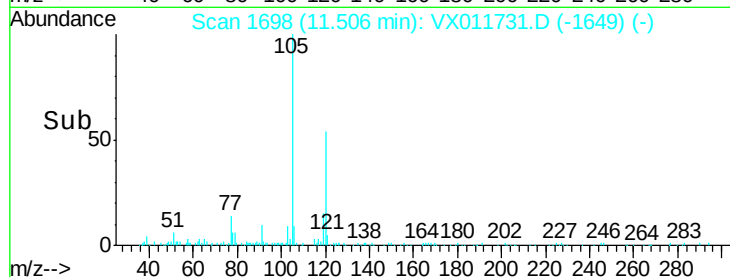
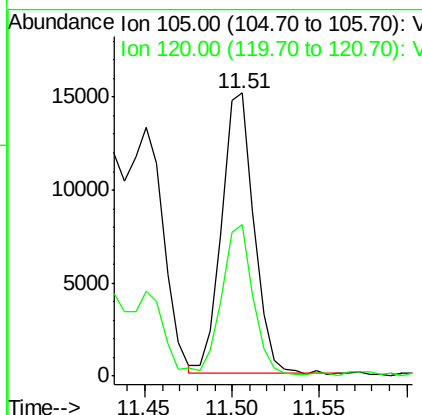
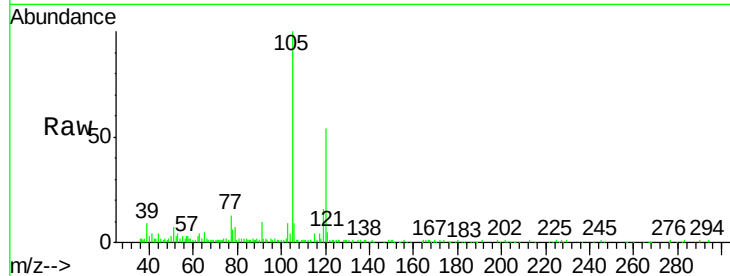
#80
 1,3,5-Trimethylbenzene
 Concen: 1.245 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX011731.D
 Acq: 21 Aug 2019 14:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-1-B-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.3	75.8

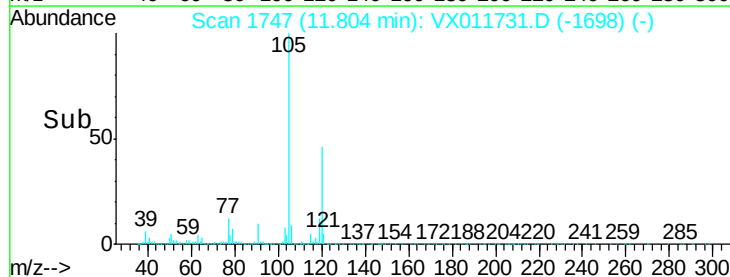
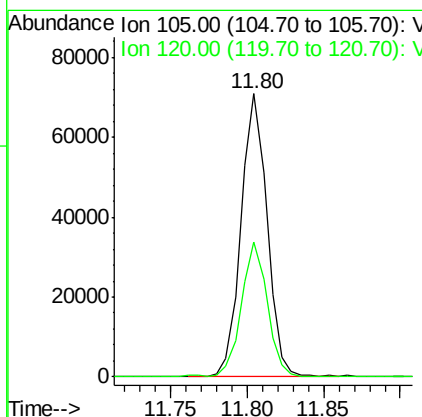
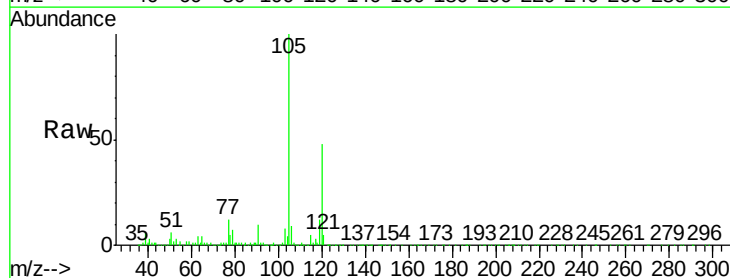
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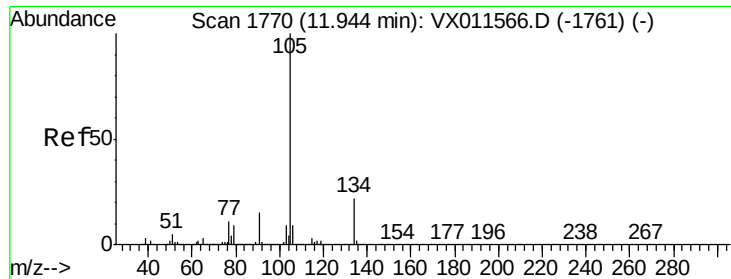
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.318 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011731.D
 Acq: 21 Aug 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.9





#85

sec-Butylbenzene

Concen: 2.069 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011731.D

Acq: 21 Aug 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

TWP-1-B-1

Tot Ion:105 Resp: 37036

Ion Ratio Lower Upper

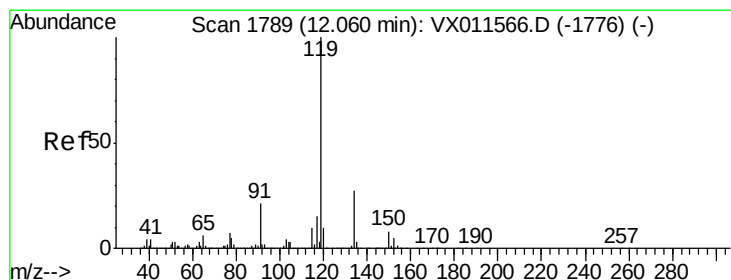
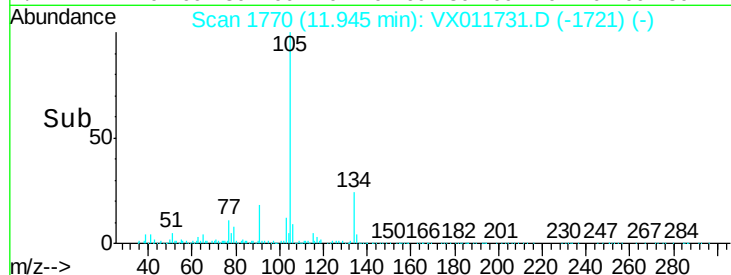
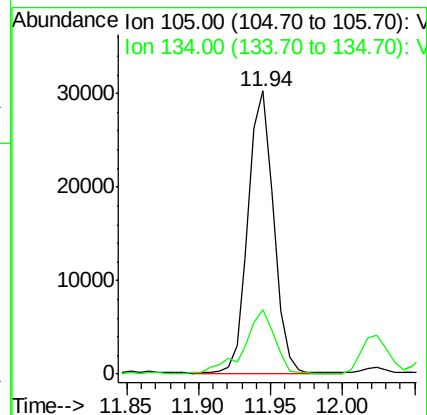
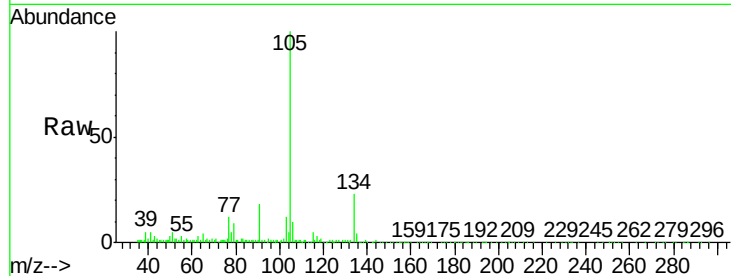
105 100

134 27.0 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 0.631 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011731.D

Acq: 21 Aug 2019 14:44

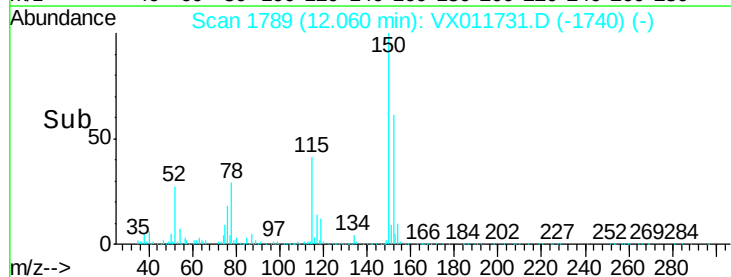
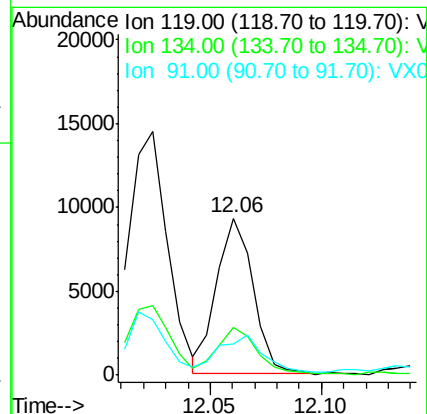
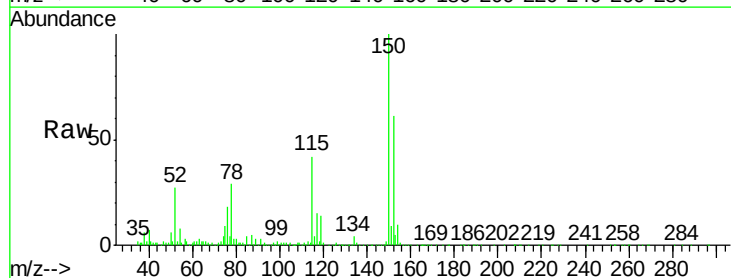
Tgt Ion:119 Resp: 10619

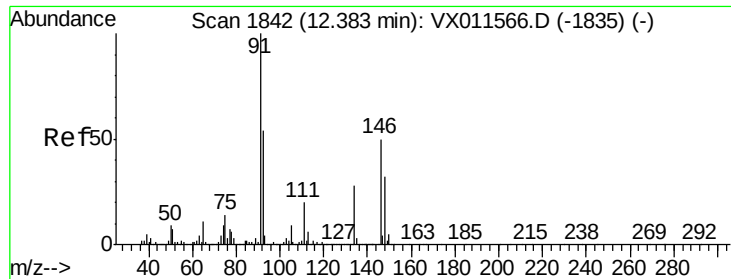
Ion Ratio Lower Upper

119 100

134 31.9 13.6 40.8

91 28.3 10.9 32.9





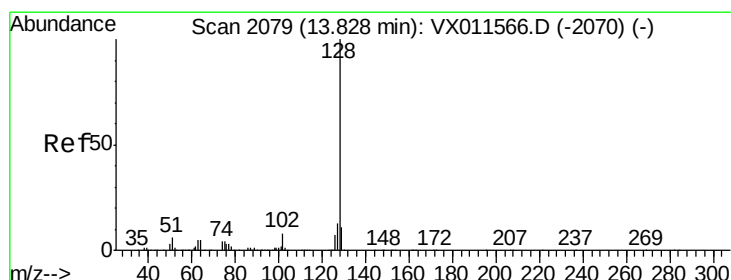
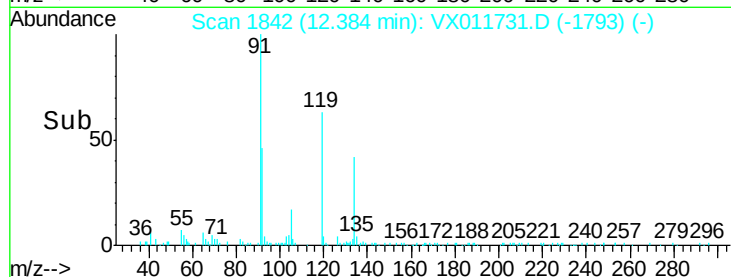
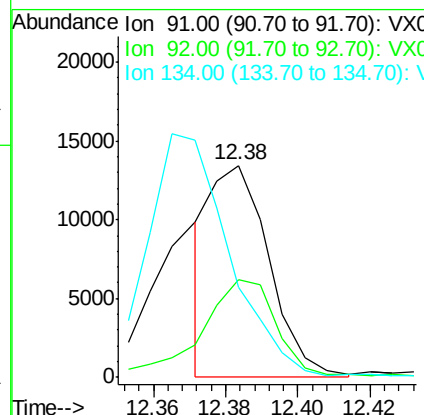
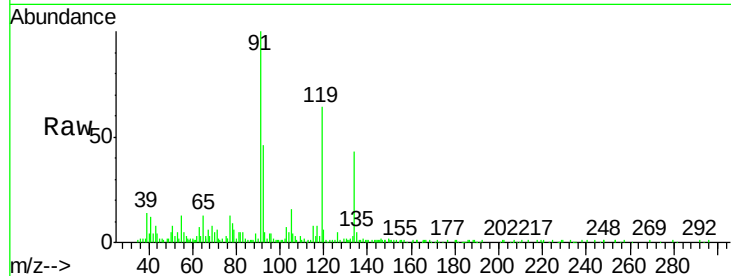
#89
n-Butylbenzene
Concen: 1.104 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Instrument :
MSVOA_X
ClientSampled :
TWP-1-B-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	26.8	80.3
134	155.0	14.6	44.0#

Manual Integrations
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#95
Naphthalene
Concen: 2.600 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011731.D
Acq: 21 Aug 2019 14:44

Tgt Ion	Ratio	Lower	Upper
128	100		
127	16.0	10.3	15.5#
129	15.2	8.7	13.1#

