

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX051719\
 Data File : VX009712.D
 Acq On : 18 May 2019 12:07
 Operator : JC/SP
 Sample : K2901-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-02B_R2

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 10:45:22 AM

Quant Time: May 25 07:23:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	262696	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	112638	50.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.42%	
35) Dibromofluoromethane	5.49	113	81493	49.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.70%	
50) Toluene-d8	8.71	98	333458	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
62) 4-Bromofluorobenzene	11.13	95	113672	46.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.84%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	3975	3.300	ug/l	91
39) Methylcyclohexane	7.46	83	1543	0.515	ug/l #	83
40) Benzene	6.14	78	1856	0.246	ug/l	95
64) Tetrachloroethene	9.34	164	417	0.258	ug/l #	88
73) Isopropylbenzene	11.02	105	31262	4.220	ug/l	98
78) n-propylbenzene	11.36	91	78291	9.254	ug/l	100
83) tert-Butylbenzene	11.77	119	11508	1.897	ug/l	88
85) sec-Butylbenzene	11.94	105	43747	6.081	ug/l	95
89) n-Butylbenzene	12.38	91	15494m	2.651	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	1633	0.489	ug/l	86

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

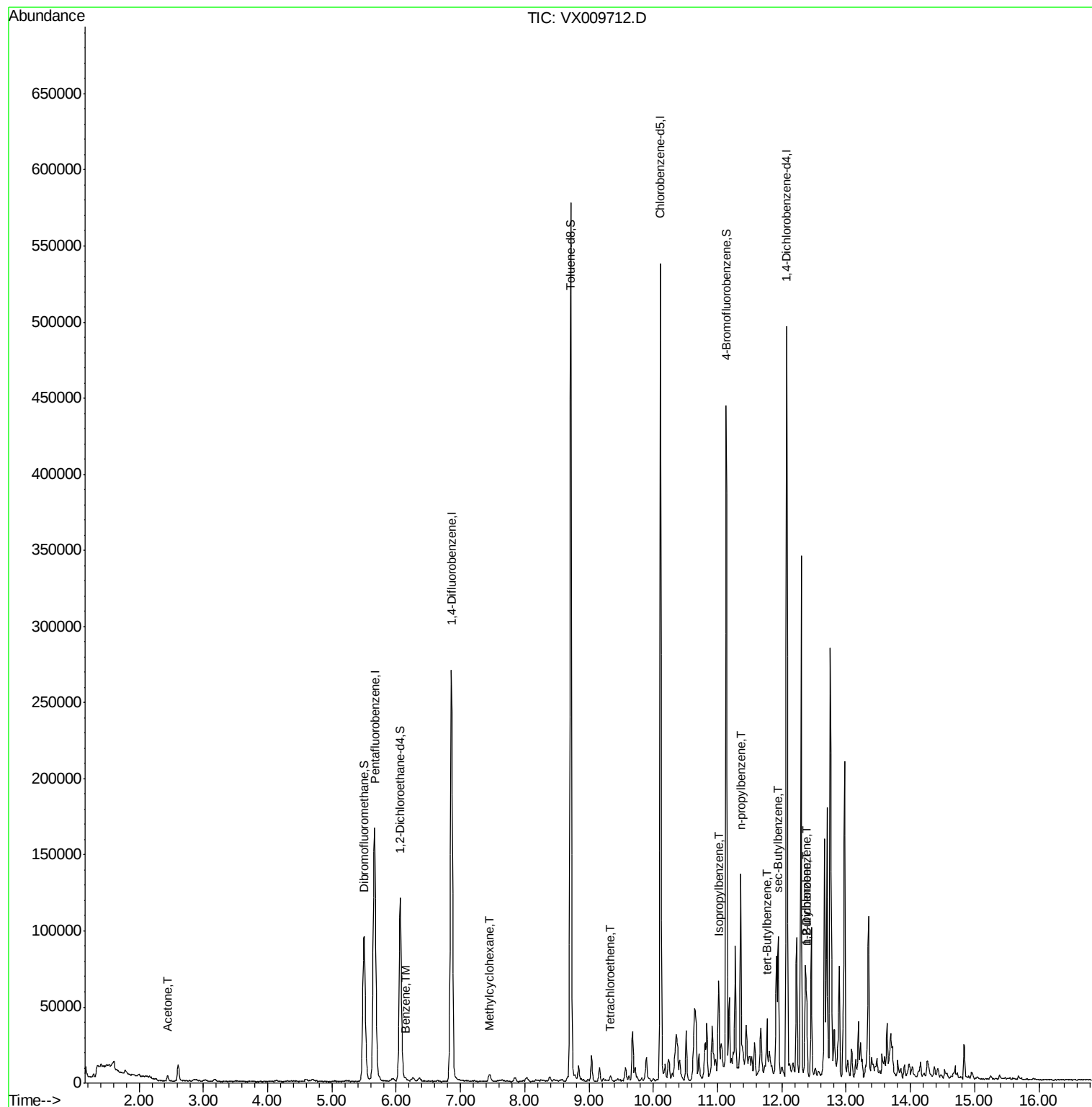
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX051719\
Data File : VX009712.D
Acq On : 18 May 2019 12:07
Operator : JC/SP
Sample : K2901-21
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 66 Sample Multiplier: 1

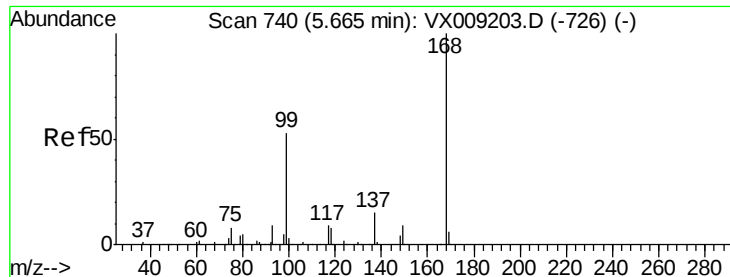
Instrument :
MSVOA_X
ClientSampleId :
MW-02B_R2

Manual Integrations
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5/20/2019 10:45:22 AM

Quant Time: May 25 07:23:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 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: VX009712.D

Acq: 18 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

MW-02B_R2

Tot Ion:168 Resp: 164342

Ion Ratio Lower Upper

168 100

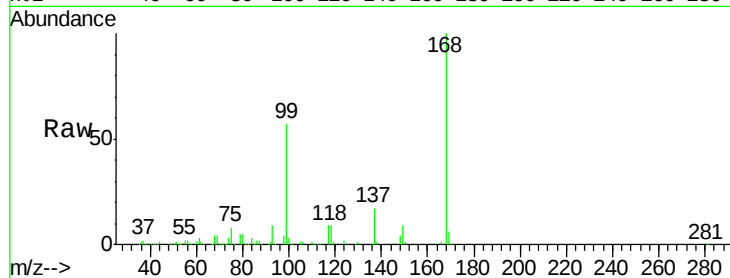
99 56.6 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

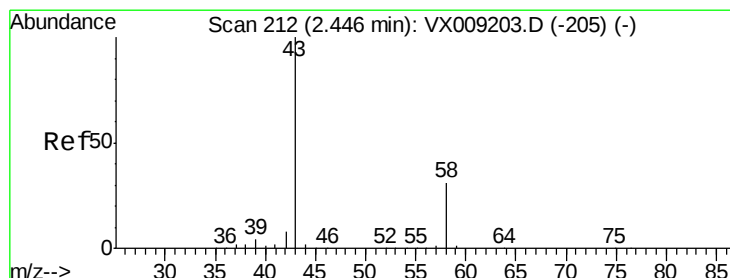
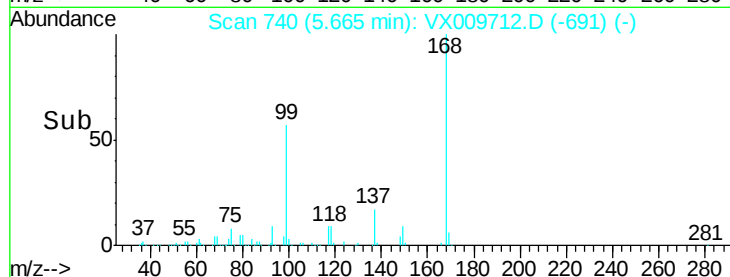
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.300 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009712.D

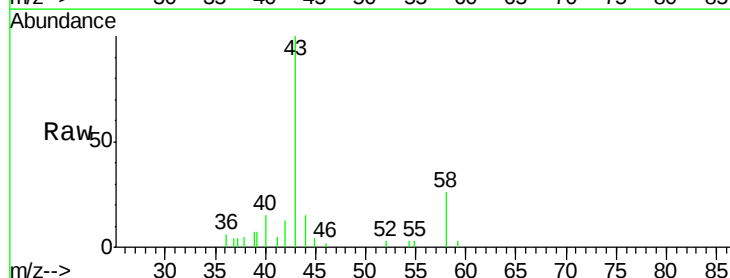
Acq: 18 May 2019 12:07

Tgt Ion: 43 Resp: 3975

Ion Ratio Lower Upper

43 100

58 26.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2500

2000

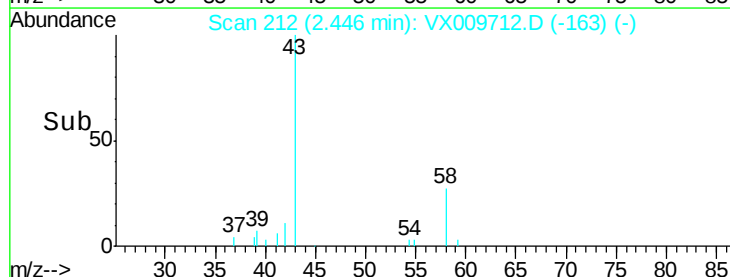
1500

1000

500

0

Time--> 2.40 2.45 2.50 2.55





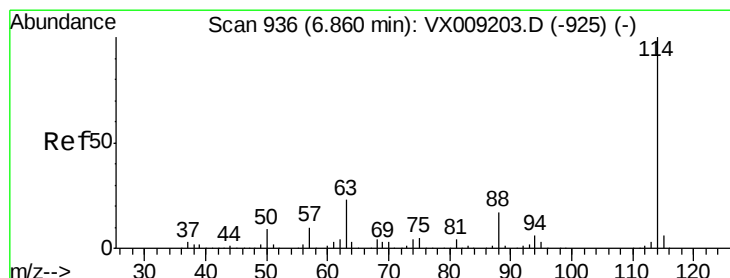
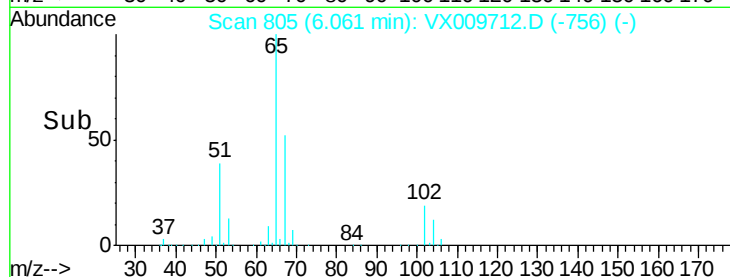
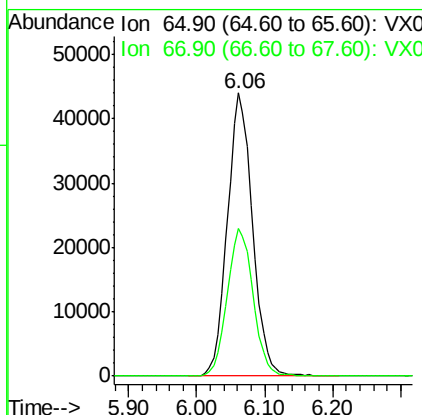
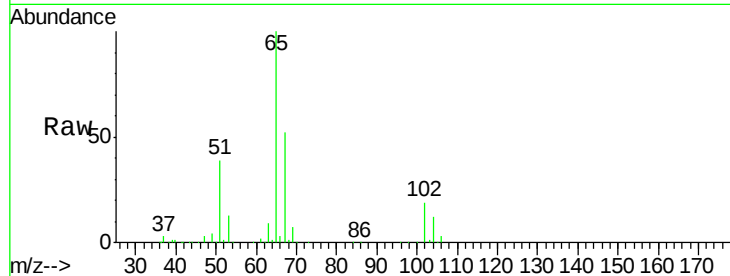
#33
 1,2-Dichloroethane-d4
 Concen: 50.207 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009712.D
 Acq: 18 May 2019 12:07

Instrument :
 MSVOA_X
 ClientSampled :
 MW-02B_R2

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112638		
67	53.6	0.0	106.6	

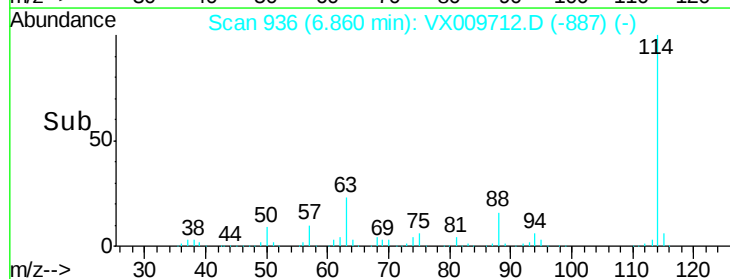
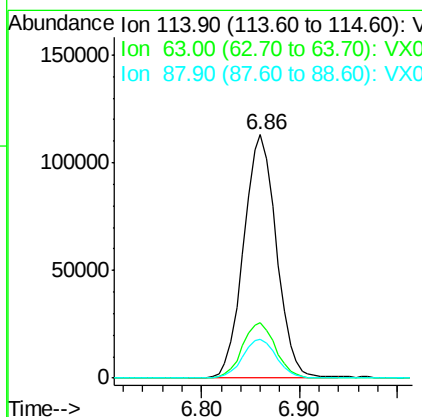
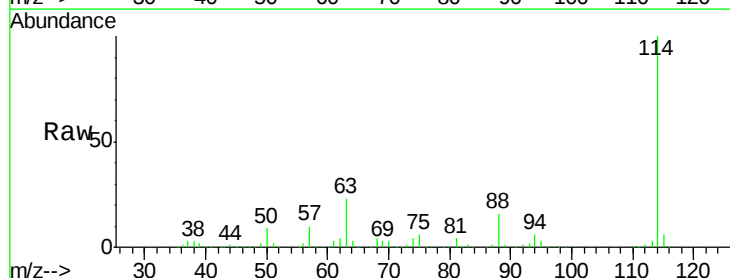
Manual Integrations
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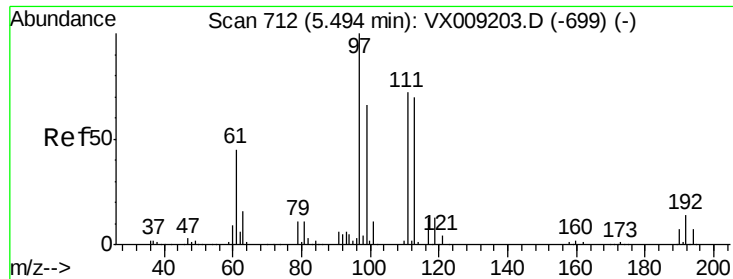
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009712.D
 Acq: 18 May 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	262696		
63	22.8	0.0	45.6	
88	16.2	0.0	33.2	





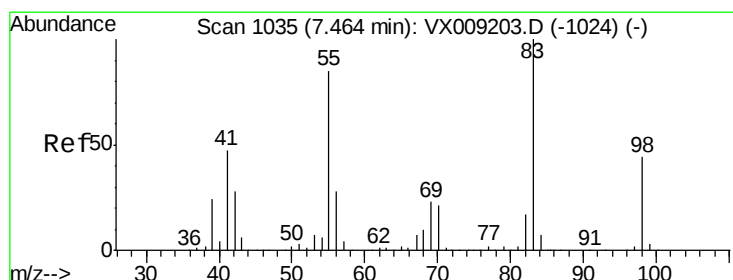
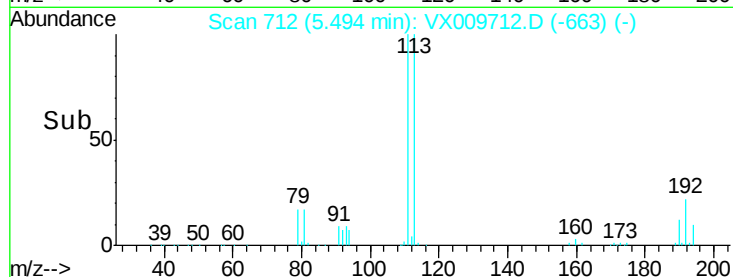
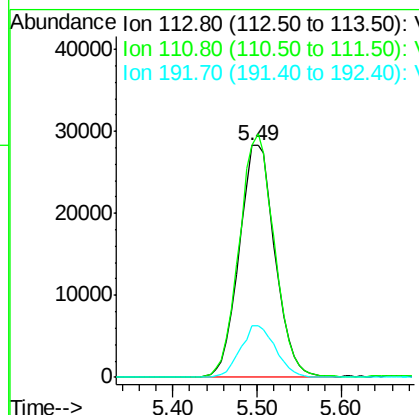
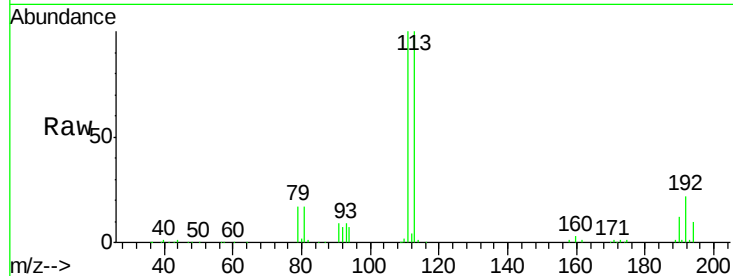
#35
Dibromofluoromethane
Concen: 49.347 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
MW-02B_R2

Tot Ion	Ratio	Resp	Lower	Upper
113	100	81493		
111	103.1	82.8	124.2	
192	21.9	17.0	25.6	

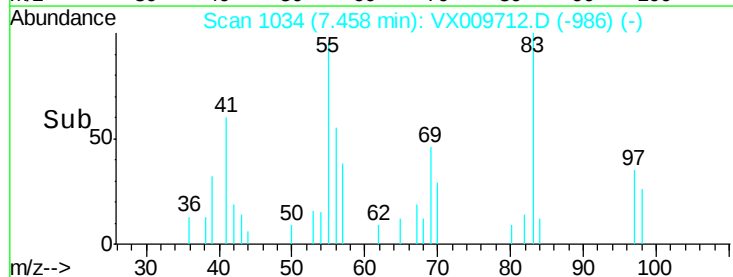
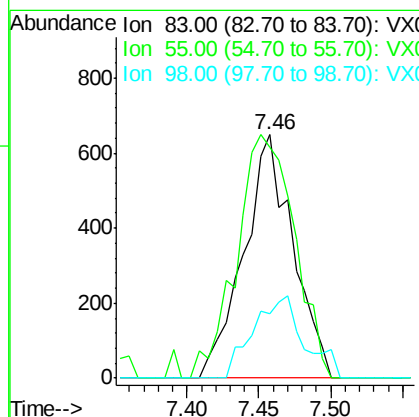
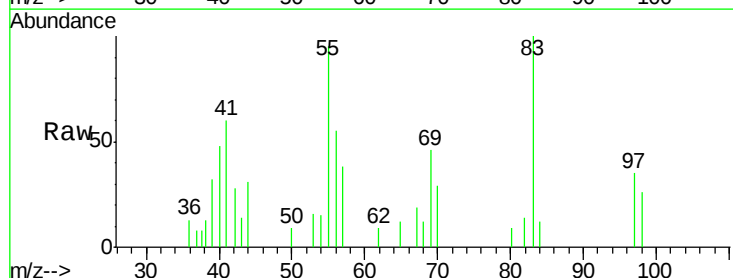
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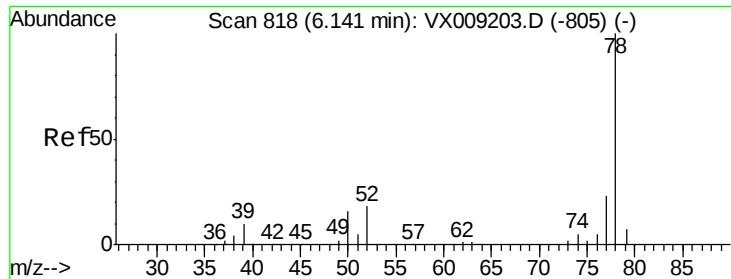
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#39
Methylcyclohexane
Concen: 0.515 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1543		
55	95.1	67.7	101.5	
98	26.3	35.5	53.3#	





#40

Benzene

Concen: 0.246 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009712.D

Acq: 18 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

MW-02B_R2

Tot Ion: 78 Resp: 1856

Ion Ratio Lower Upper

78 100

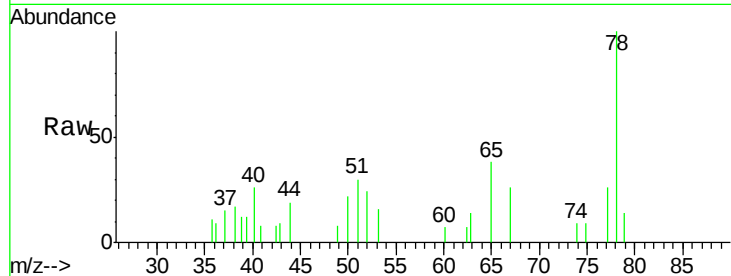
77 25.9 18.8 28.2

Manual Integrations

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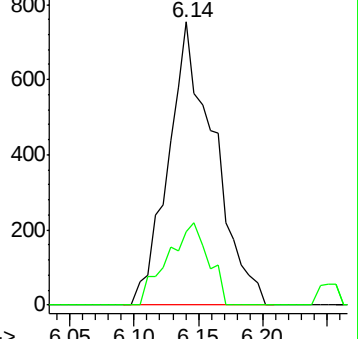
MMDadoda

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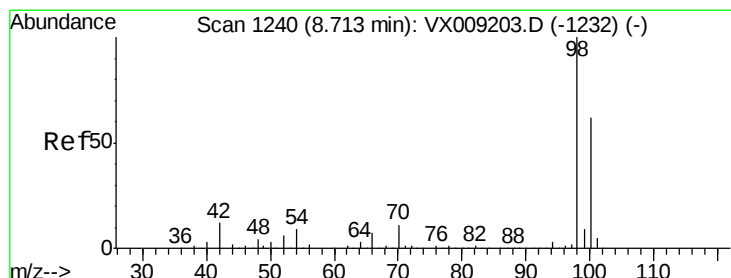
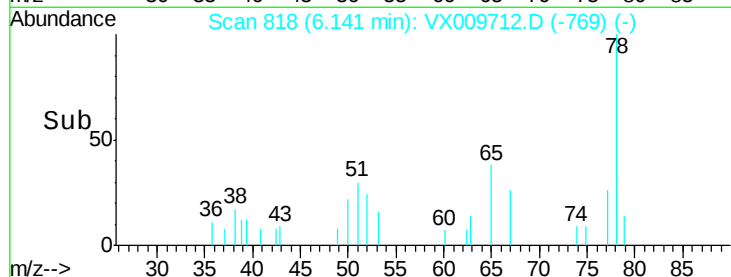


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#50

Toluene-d8

Concen: 50.015 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009712.D

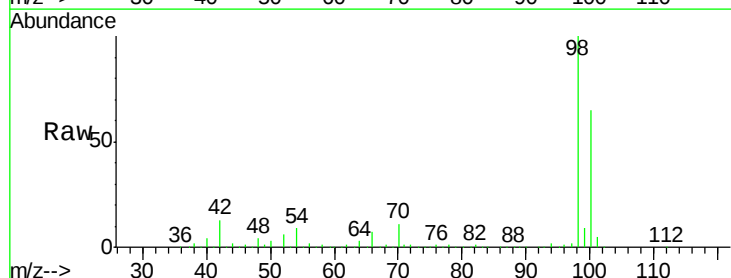
Acq: 18 May 2019 12:07

Tgt Ion: 98 Resp: 333458

Ion Ratio Lower Upper

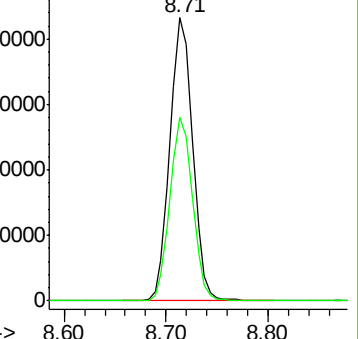
98 100

100 64.6 51.2 76.8

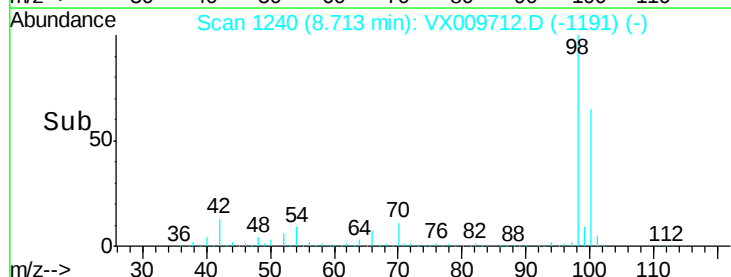


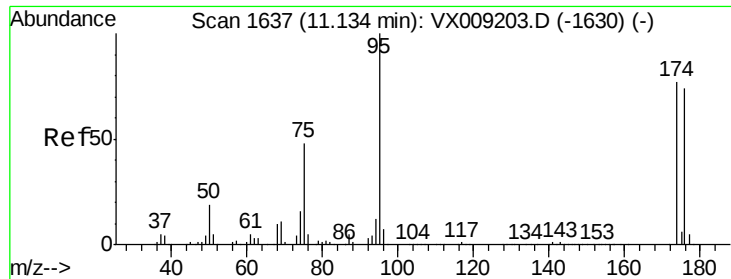
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 46.922 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009712.D

Acq: 18 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

MW-02B_R2

Tot Ion: 95 Resp: 113672

Ion Ratio Lower Upper

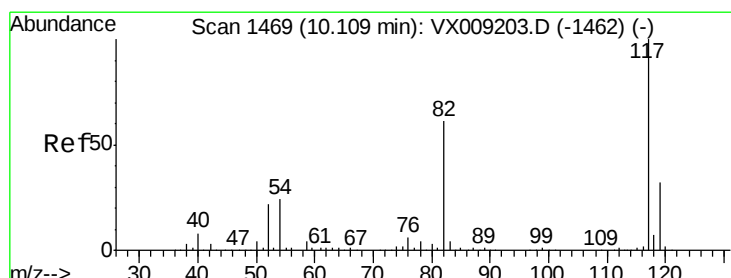
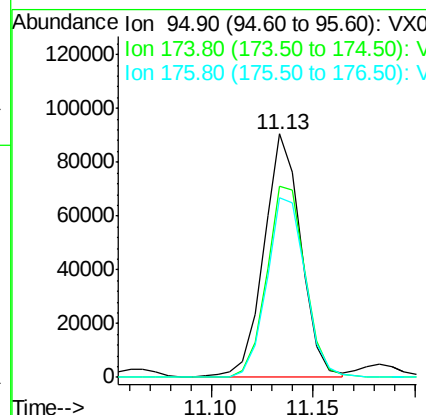
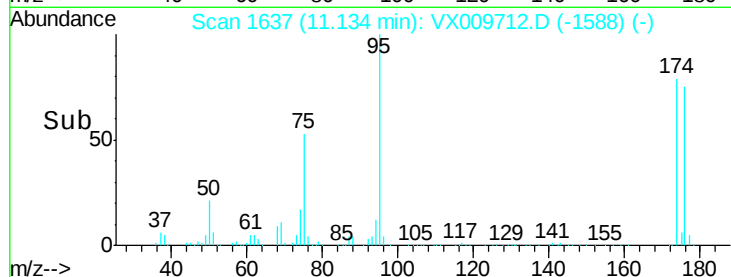
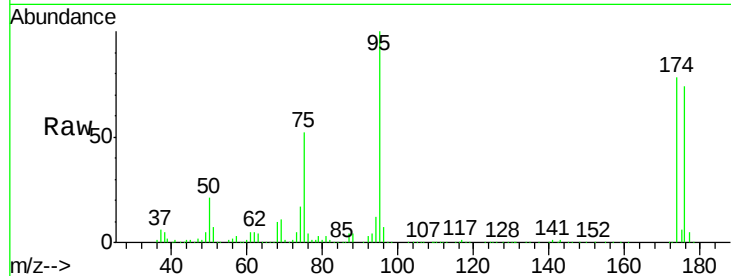
95 100

174 82.3 0.0 161.6

176 77.5 0.0 159.2

Manual Integrations
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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: VX009712.D

Acq: 18 May 2019 12:07

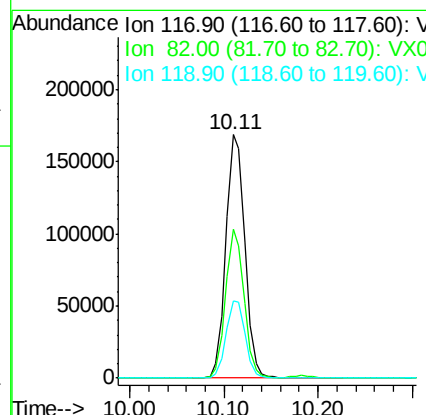
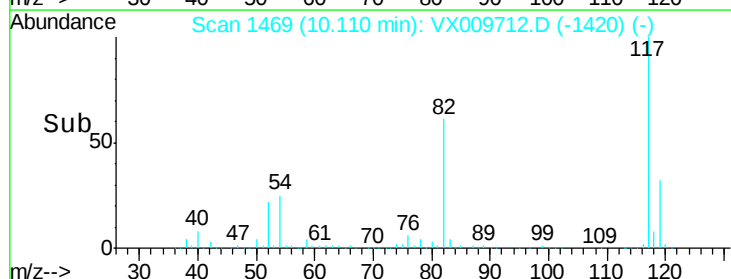
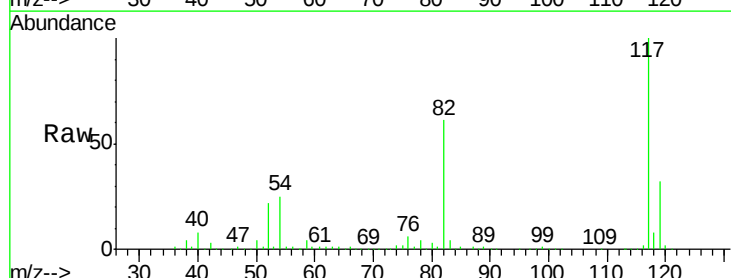
Tgt Ion: 117 Resp: 235366

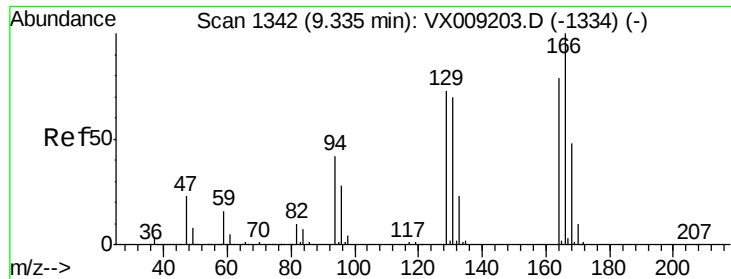
Ion Ratio Lower Upper

117 100

82 61.2 48.8 73.2

119 31.8 25.8 38.6





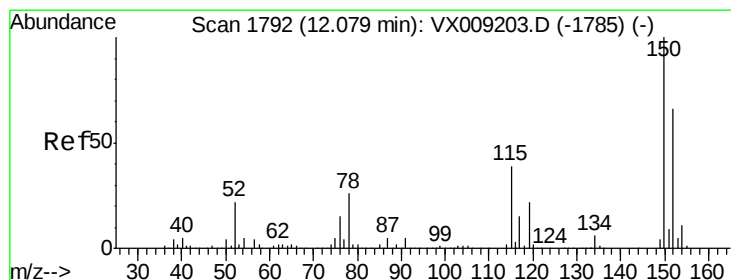
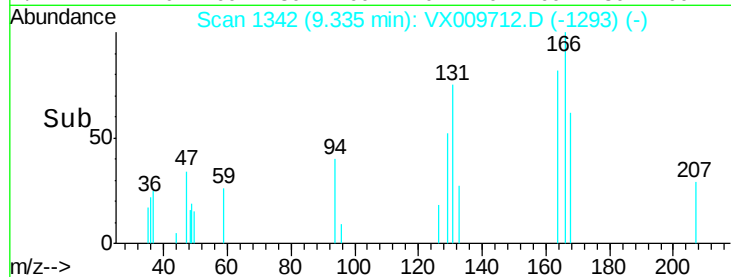
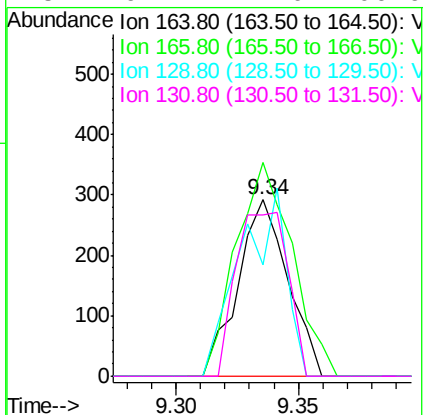
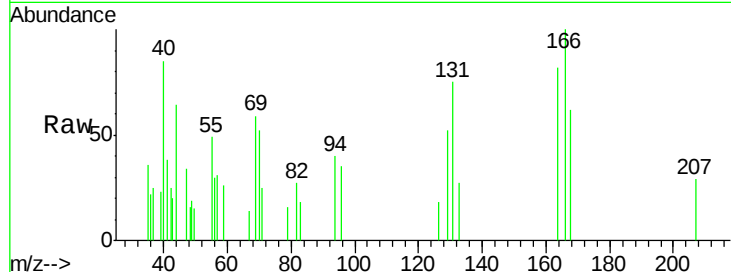
#64
Tetrachloroethene
Concen: 0.258 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Instrument :
MSVOA_X
ClientSampled :
MW-02B_R2

Tot Ion:	164	Resp:	417
Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.2	151.8
129	63.4	74.3	111.5
131	91.1	71.0	106.6

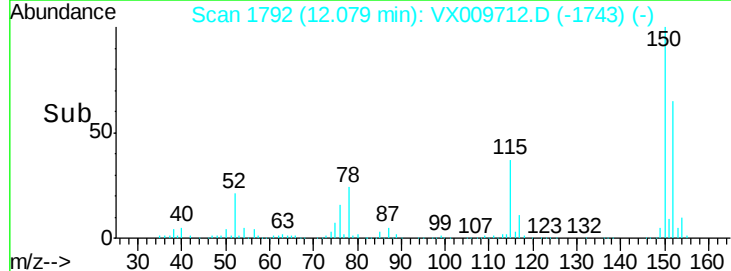
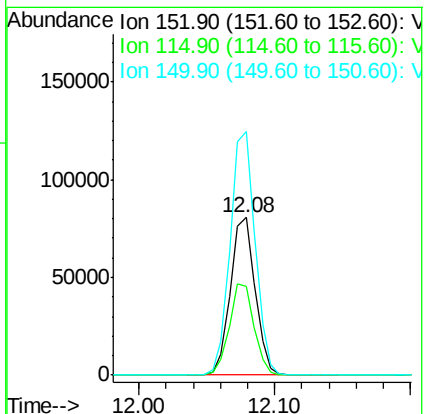
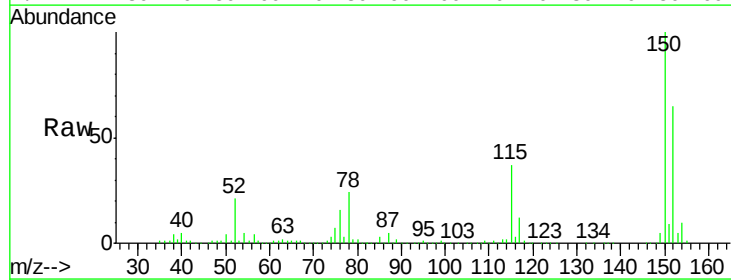
Manual Integrations
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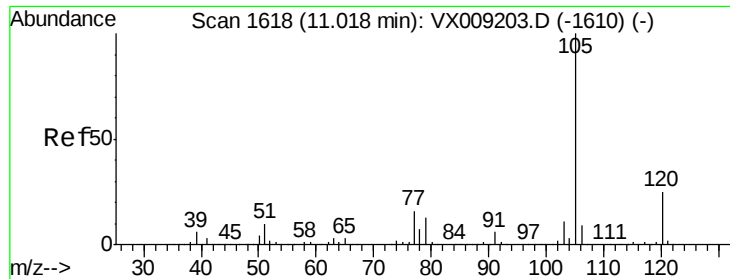
MMDadoda
5/20/2019 10:45:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Tgt Ion:	152	Resp:	101869
Ion	Ratio	Lower	Upper
152	100		
115	58.5	41.2	123.6
150	156.5	0.0	346.4





#73

Isopropylbenzene

Concen: 4.220 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009712.D

Acq: 18 May 2019 12:07

Instrument :

MSVOA_X

ClientSampleId :

MW-02B_R2

Tot Ion: 105 Resp: 31262

Ion Ratio Lower Upper

105 100

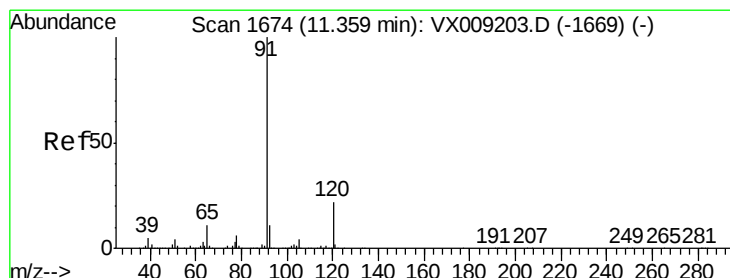
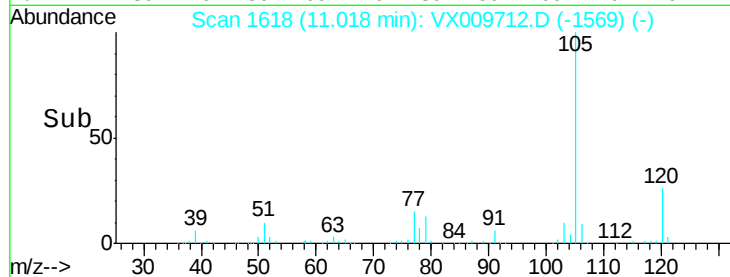
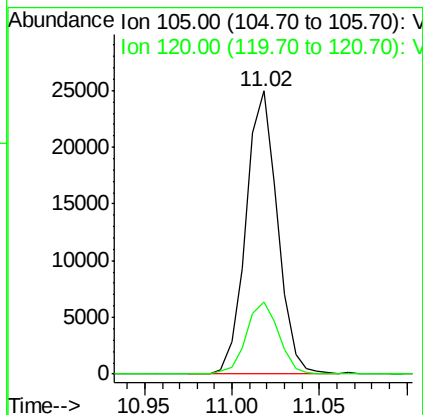
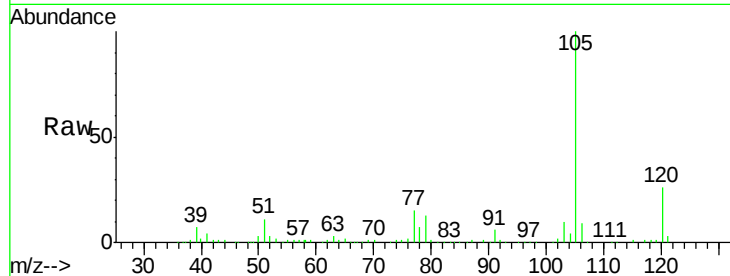
120 26.4 12.8 38.3

Manual Integrations

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#78

n-propylbenzene

Concen: 9.254 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009712.D

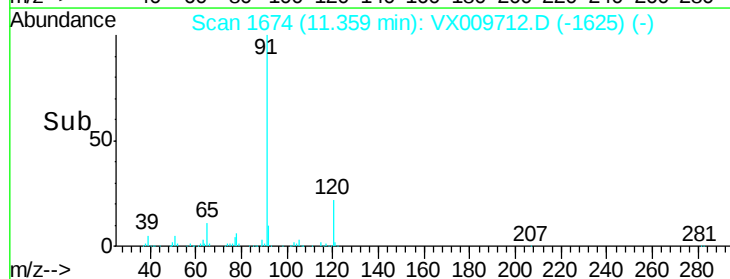
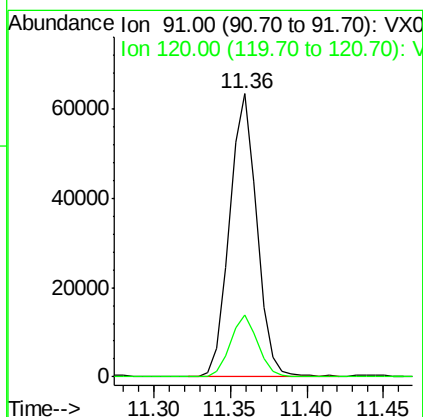
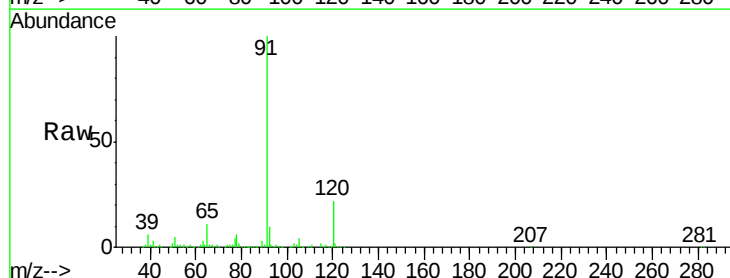
Acq: 18 May 2019 12:07

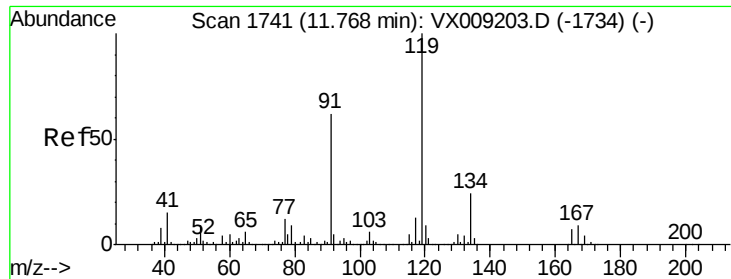
Tgt Ion: 91 Resp: 78291

Ion Ratio Lower Upper

91 100

120 21.9 11.0 33.0





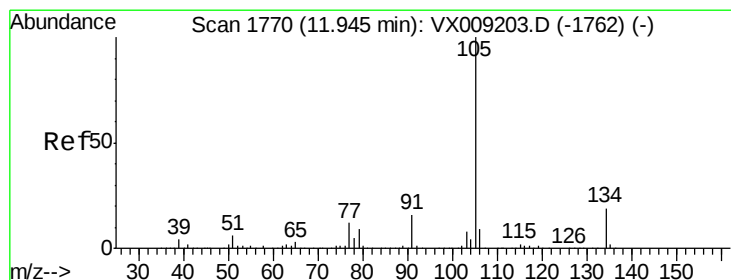
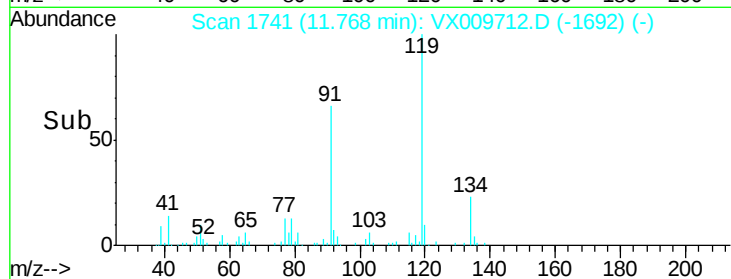
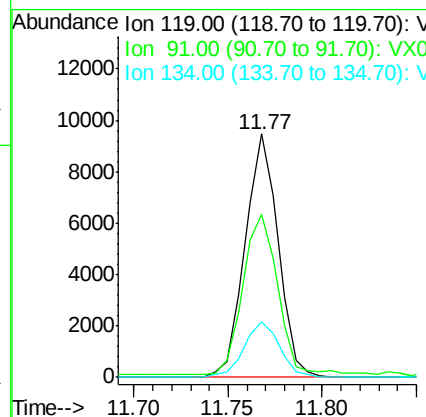
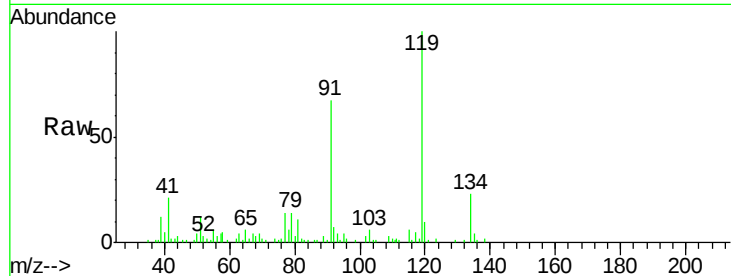
#83
tert-Butylbenzene
Concen: 1.897 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
MW-02B_R2

Tot Ion	Ratio	Resp	Lower	Upper
119	100	11508		
91	70.2	29.5	88.5	
134	24.6	11.4	34.1	

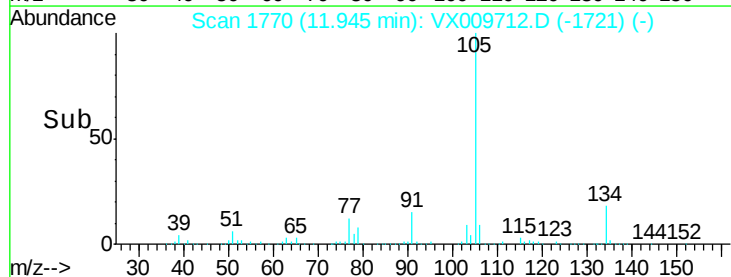
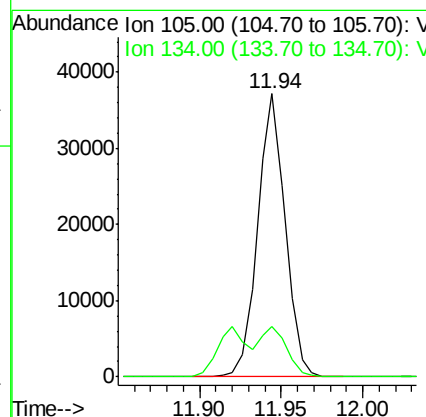
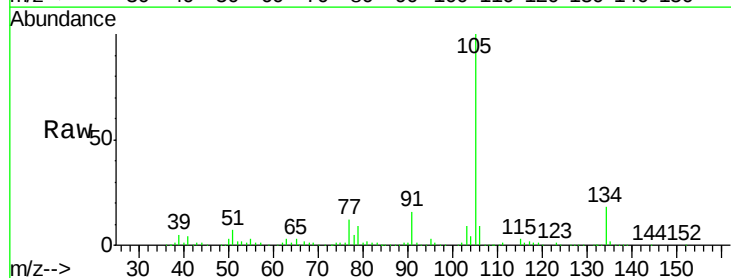
Manual Integrations
APPROVED

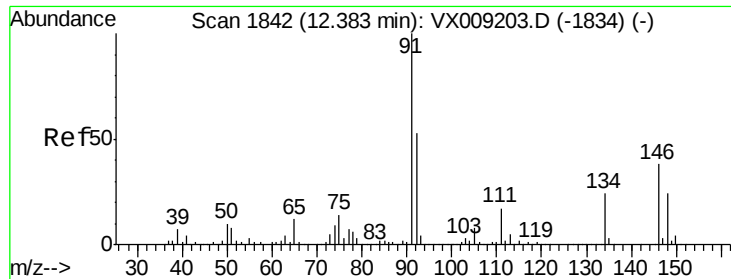
MMDadoda
5/20/2019 10:45:22 AM



#85
sec-Butylbenzene
Concen: 6.081 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	43747		
134	17.1	9.7	28.9	





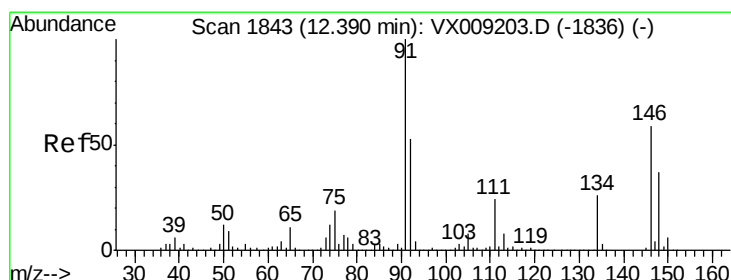
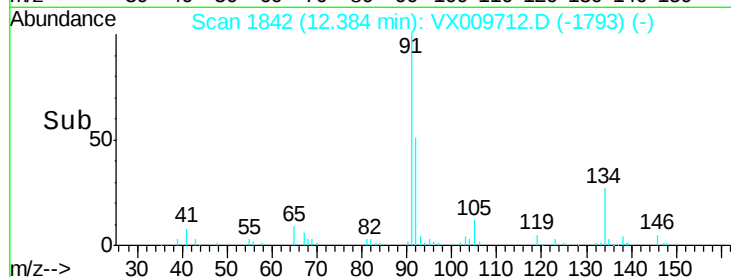
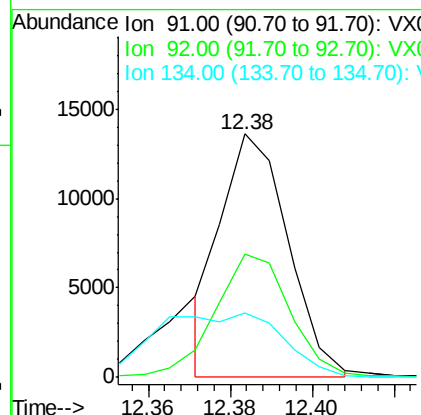
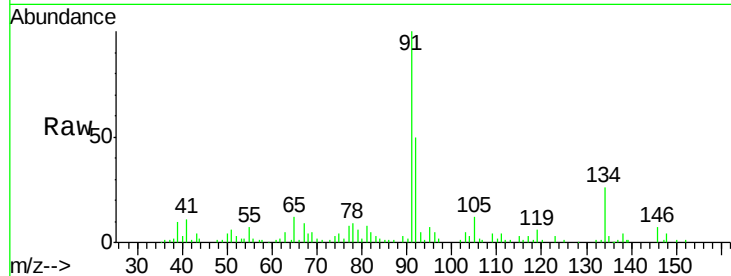
#89
n-Butylbenzene
Concen: 2.651 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Instrument :
MSVOA_X
ClientSampleId :
MW-02B_R2

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.5	79.5
134	51.3	12.4	37.2

Manual Integrations
APPROVED

MMDadoda
5/20/2019 10:45:22 AM



#91
1,2-Dichlorobenzene
Concen: 0.489 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX009712.D
Acq: 18 May 2019 12:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	60.8	20.8	62.4
148	66.9	31.9	95.9

