

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007091.D
 Acq On : 17 Jan 2019 16:16
 Operator : JC/SP
 Sample : K1168-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0500-190115

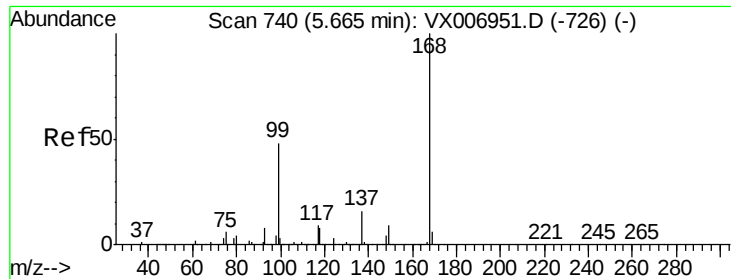
Manual Integrations
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 1/18/2019 10:23:54 AM

Quant Time: Jan 18 09:47:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	590360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	899528	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	840085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	435476	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	308019	49.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.84%	
35) Dibromofluoromethane	5.51	113	275223	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
50) Toluene-d8	8.71	98	1082099	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.13	95	393874	53.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.16%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	6909	0.794	ug/l #	84
65) Chlorobenzene	10.14	112	348748	19.034	ug/l	99
73) Isopropylbenzene	11.02	105	113720	3.703	ug/l	99
83) tert-Butylbenzene	11.77	119	142231	5.556	ug/l	93
85) sec-Butylbenzene	11.94	105	292852	9.579	ug/l #	55
87) 1,3-Dichlorobenzene	12.03	146	8310	0.543	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	19499m	1.487	ug/l	

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

Tot Ion:168 Resp: 590360

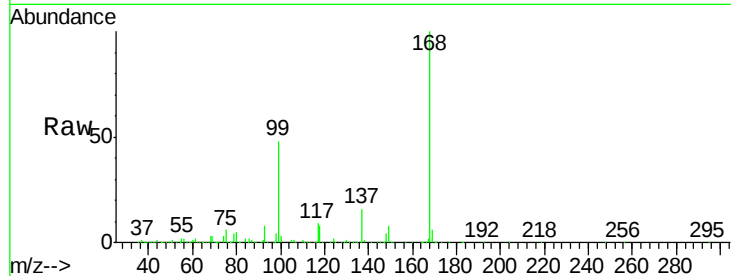
Ion Ratio Lower Upper

168 100

99 48.3 41.8 62.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

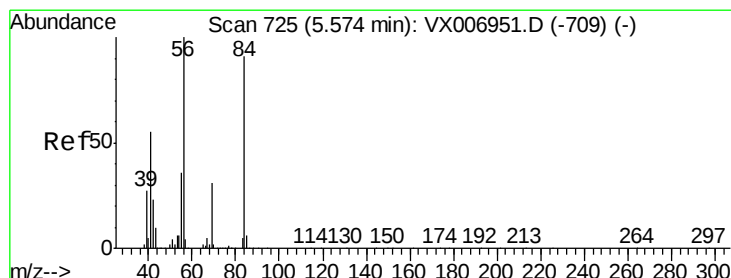
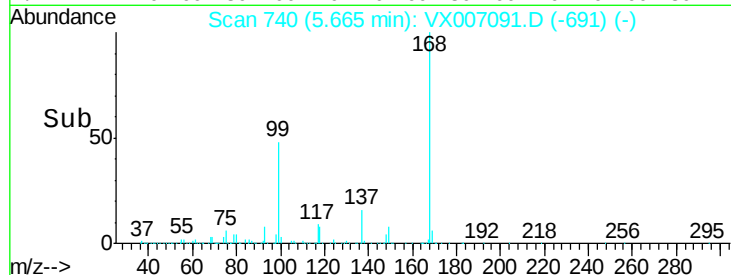
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 0.794 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

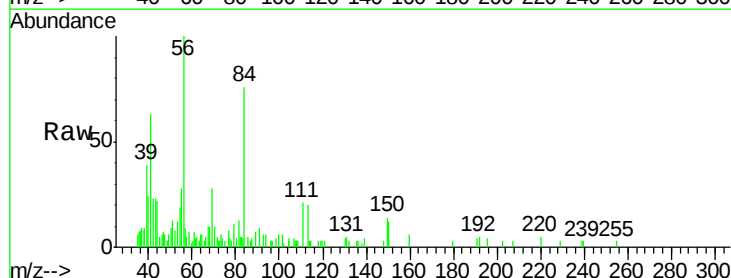
Tgt Ion: 56 Resp: 6909

Ion Ratio Lower Upper

56 100

69 21.7 24.4 36.6#

84 73.1 70.0 105.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

8000

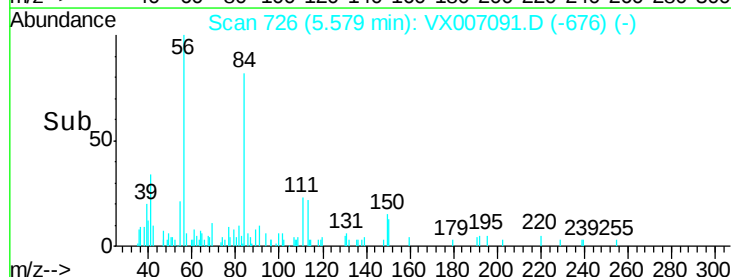
6000

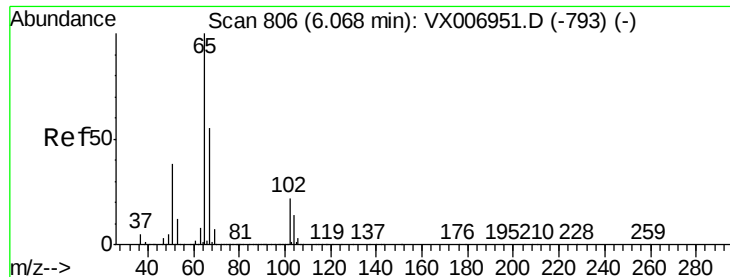
4000

2000

0

Time--> 5.50 5.55 5.60 5.65





#33

1,2-Dichloroethane-d4

Concen: 49.924 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

Tot Ion: 65 Resp: 308019

Ion Ratio Lower Upper

65 100

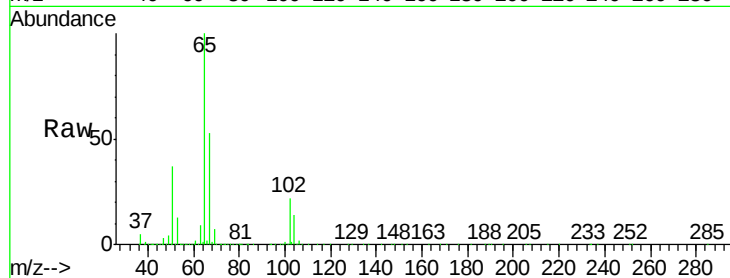
67 53.2 0.0 105.0

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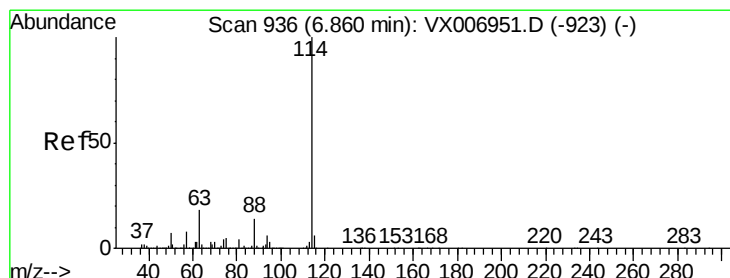
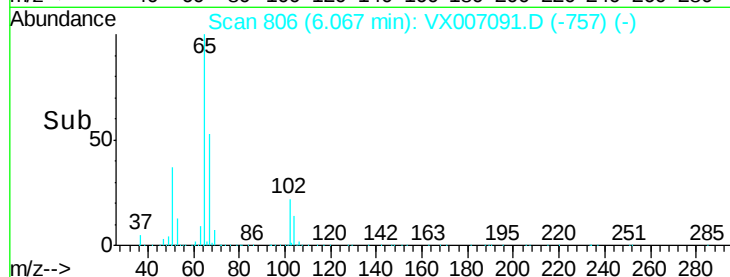
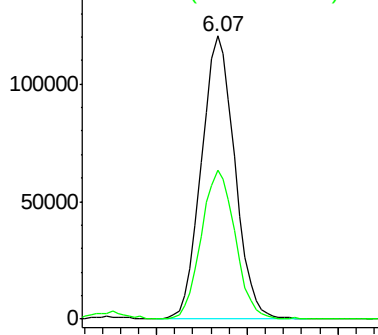
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

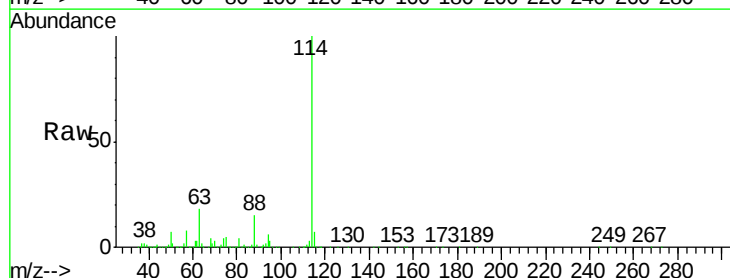
Tgt Ion: 114 Resp: 899528

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.8

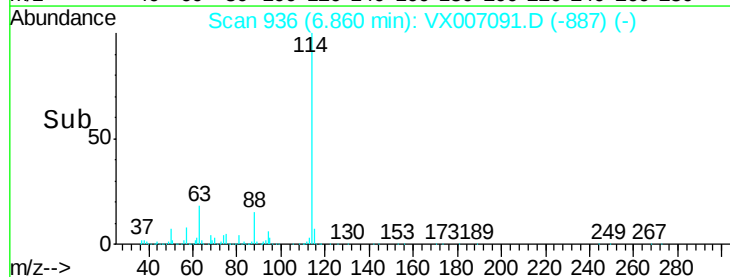
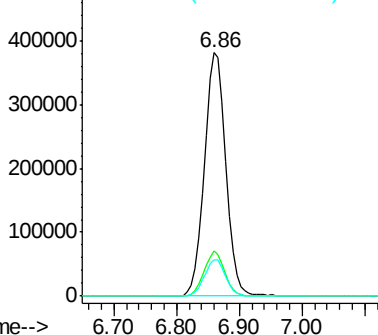
88 15.0 0.0 28.8

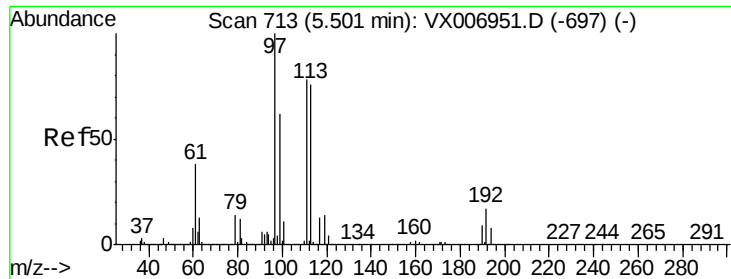


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.777 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

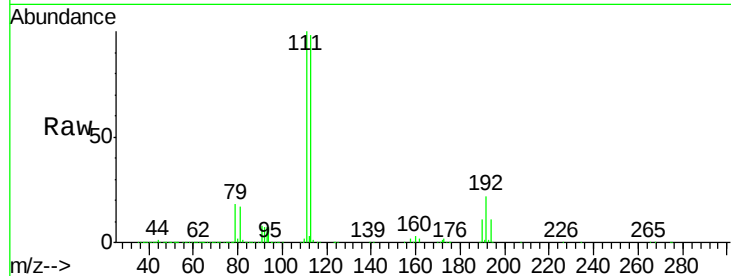
ClientSampleId :

DUP-0500-190115

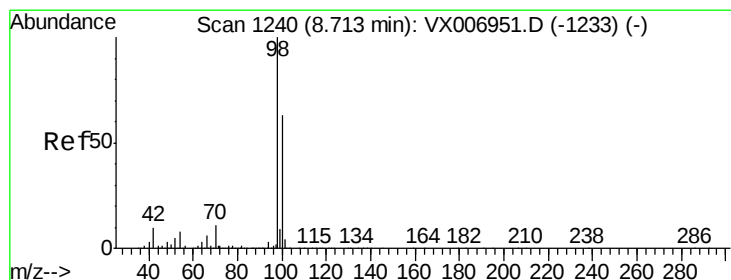
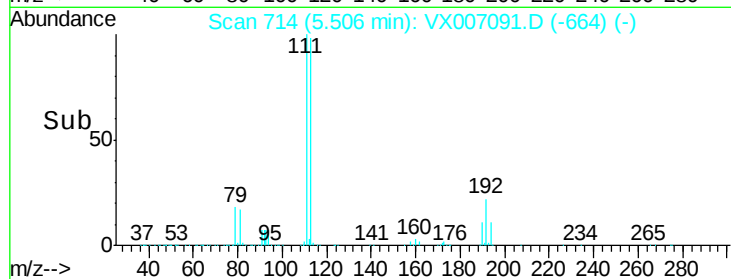
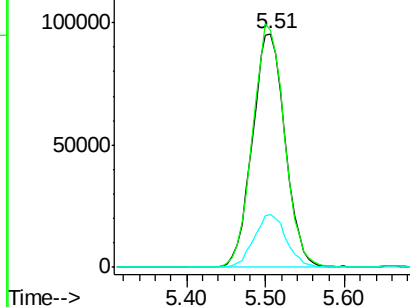
Tot Ion:	113	Resp:	275223
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.6	122.4
192	22.5	16.7	25.1

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 51.320 ug/l

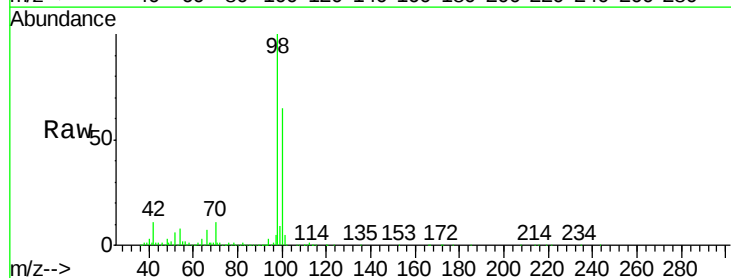
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

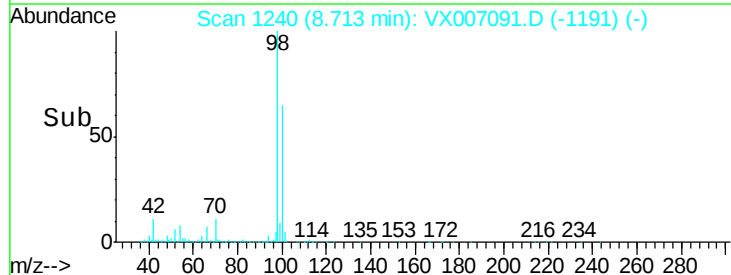
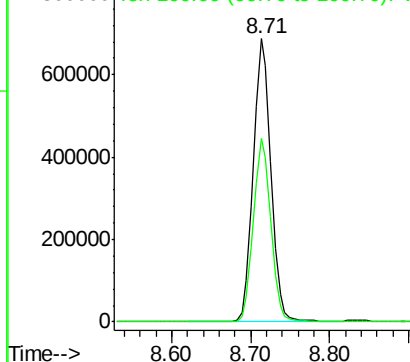
Lab File: VX007091.D

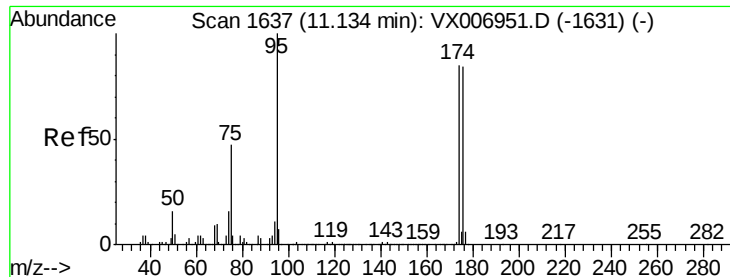
Acq: 17 Jan 2019 16:16

Tgt Ion:	98	Resp:	1082099
Ion Ratio	Lower	Upper	
98	100		
100	64.2	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





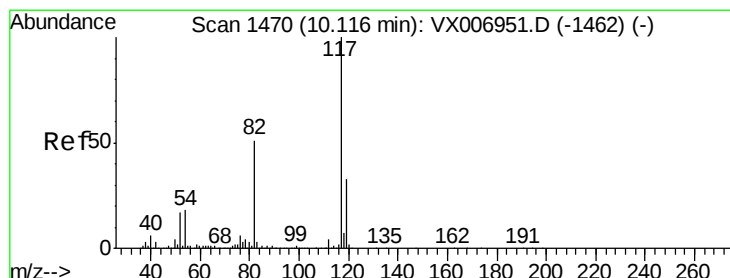
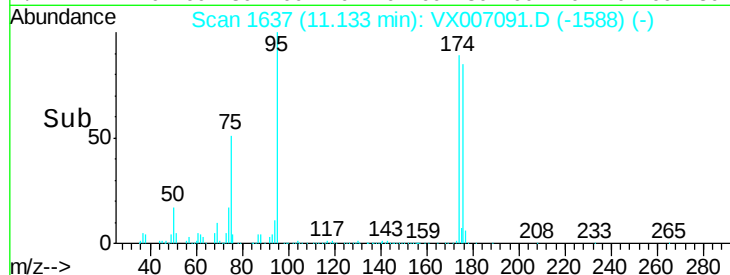
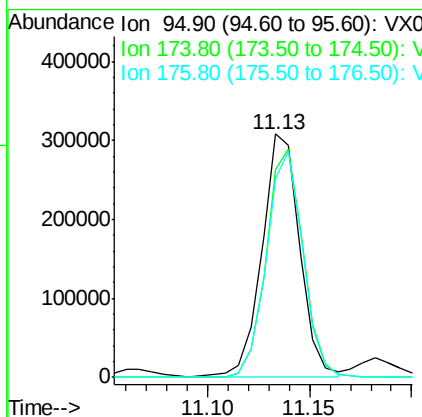
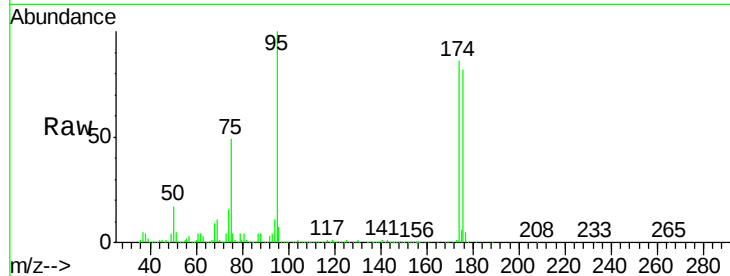
#62
4-Bromofluorobenzene
Concen: 53.582 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

Instrument :
MSVOA_X
ClientSampleId :
DUP-0500-190115

Tot Ion	Ratio	Resp	Lower	Upper
95	100	393874		
174	92.8	0.0	182.2	
176	90.2	0.0	178.8	

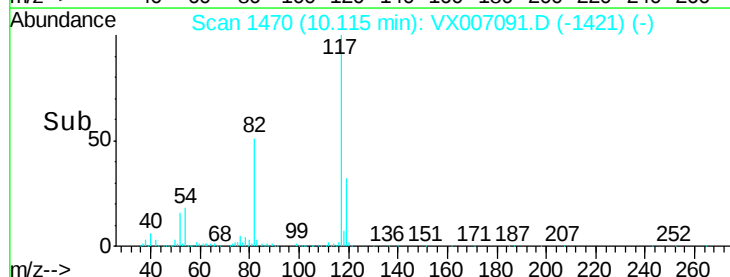
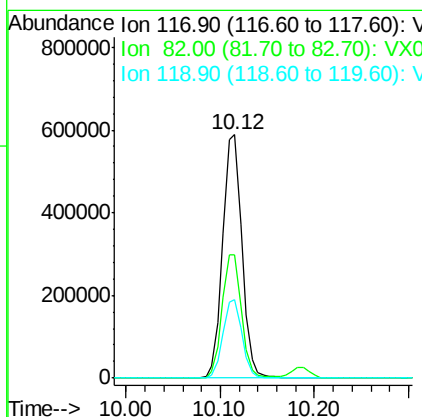
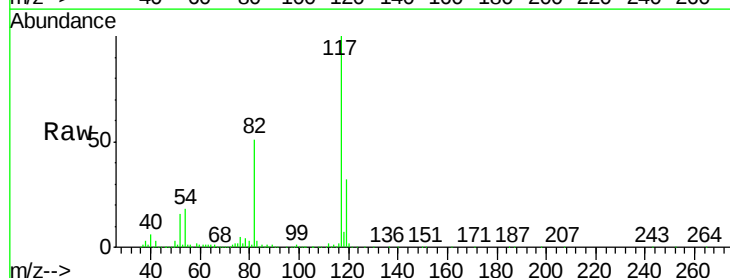
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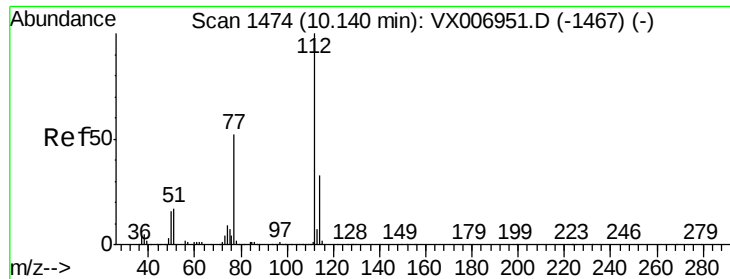
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007091.D
Acq: 17 Jan 2019 16:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	840085		
82	50.5	41.0	61.6	
119	32.3	25.4	38.0	





#65

Chlorobenzene

Concen: 19.034 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

Tot Ion:112 Resp: 348748

Ion Ratio Lower Upper

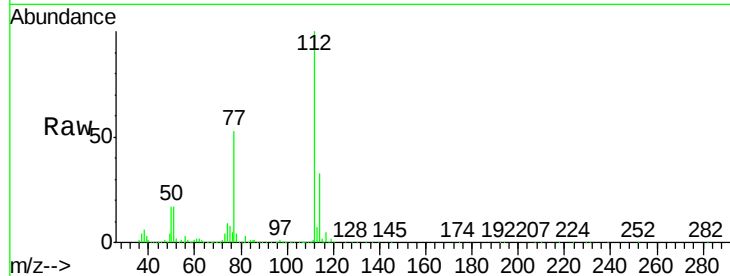
112 100

114 32.9 25.7 38.5

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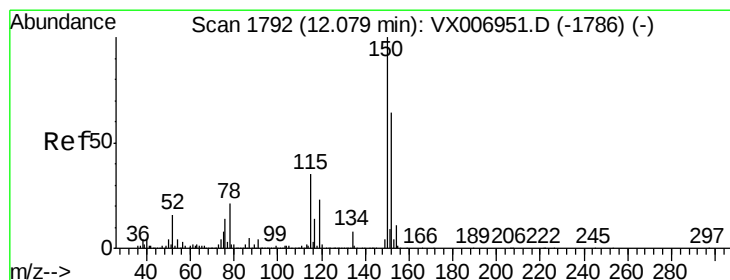
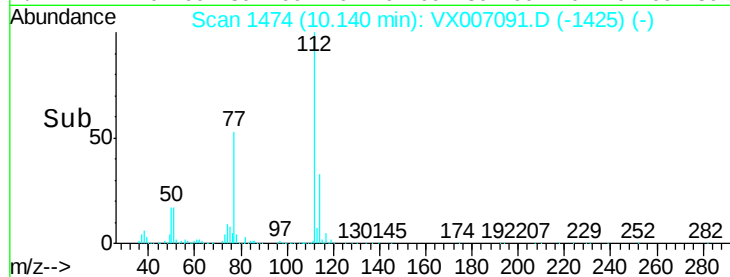
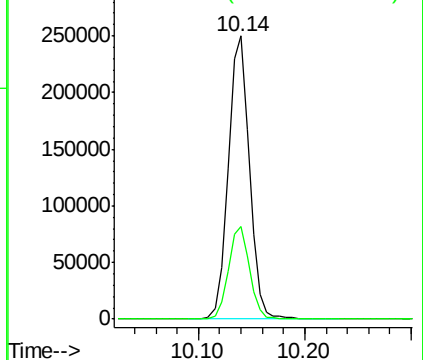
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

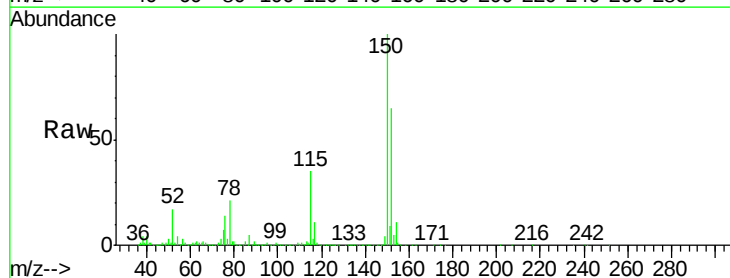
Tgt Ion:152 Resp: 435476

Ion Ratio Lower Upper

152 100

115 53.9 39.1 117.2

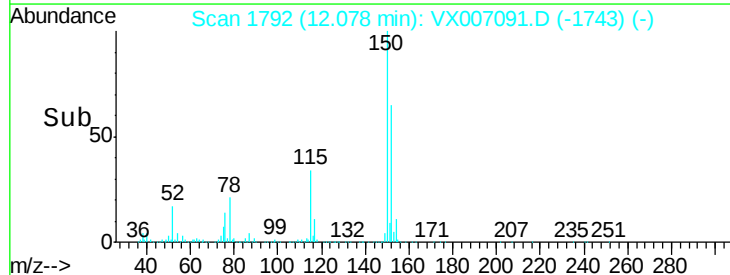
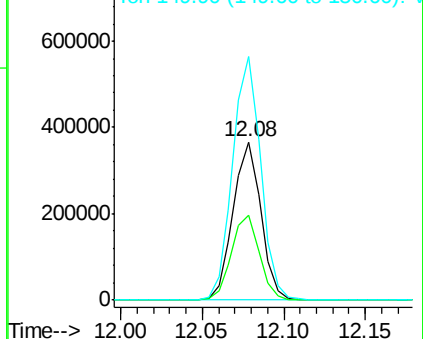
150 155.3 0.0 344.8

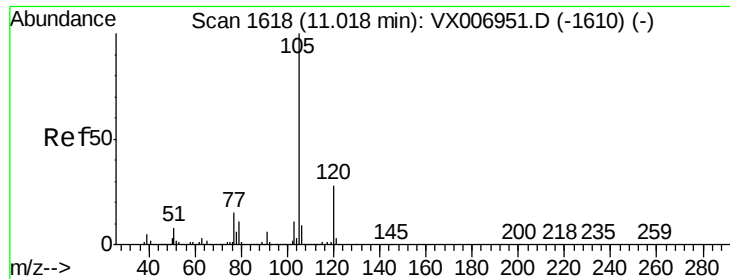


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.703 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

Instrument :

MSVOA_X

ClientSampleId :

DUP-0500-190115

Tot Ion:105 Resp: 113720

Ion Ratio Lower Upper

105 100

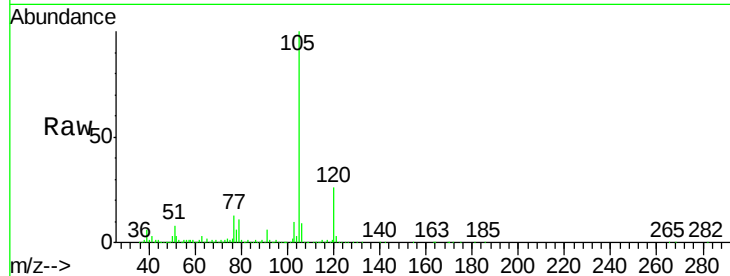
120 27.6 14.1 42.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

80000

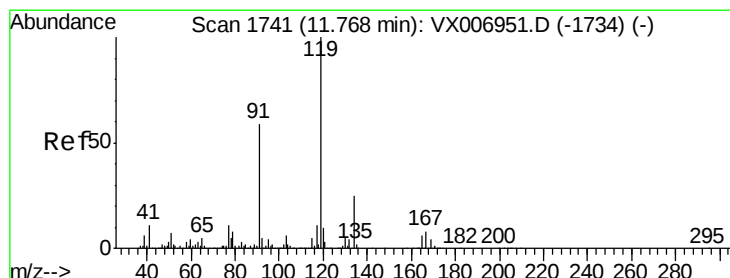
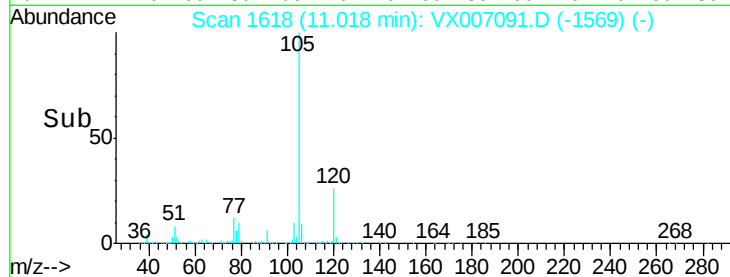
60000

40000

20000

0

Time-->



#83

tert-Butylbenzene

Concen: 5.556 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007091.D

Acq: 17 Jan 2019 16:16

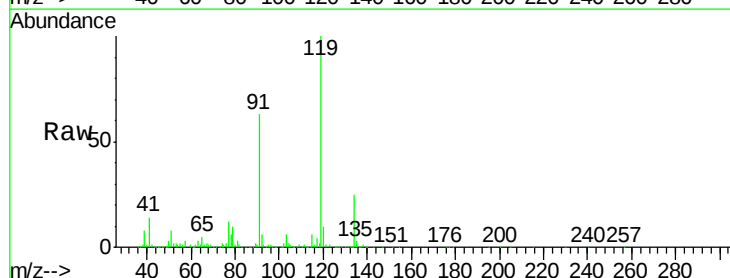
Tgt Ion:119 Resp: 142231

Ion Ratio Lower Upper

119 100

91 61.9 27.7 83.1

134 25.0 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

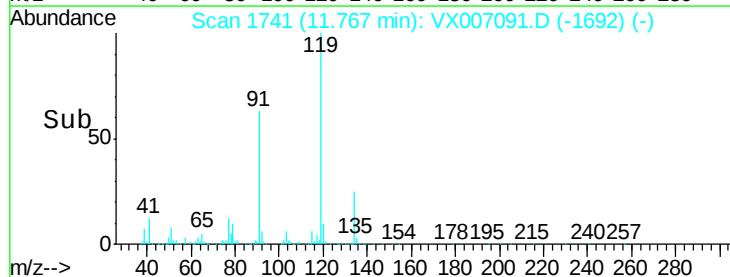
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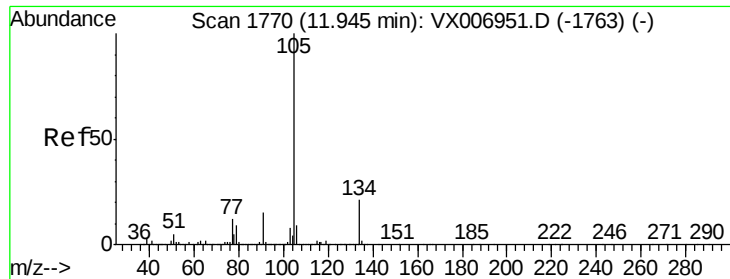
200000

100000

0

Time-->





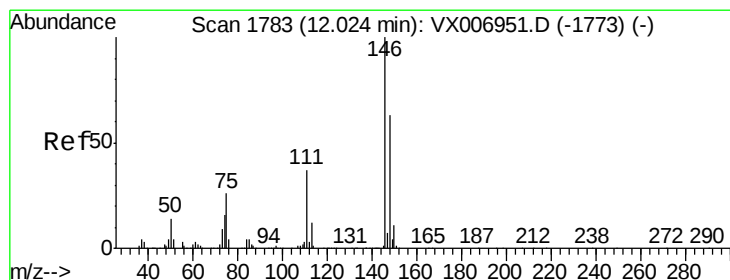
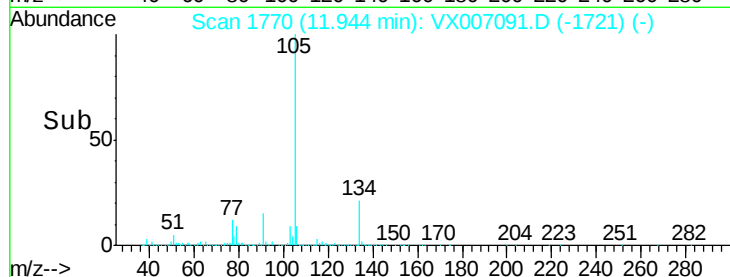
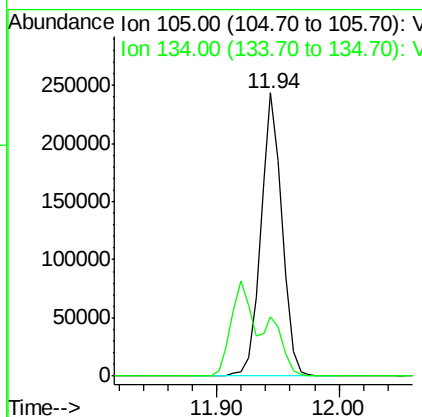
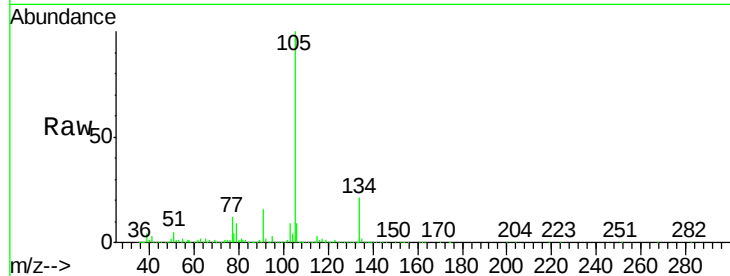
#85
 sec-Butylbenzene
 Concen: 9.579 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0500-190115

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.7	31.9#

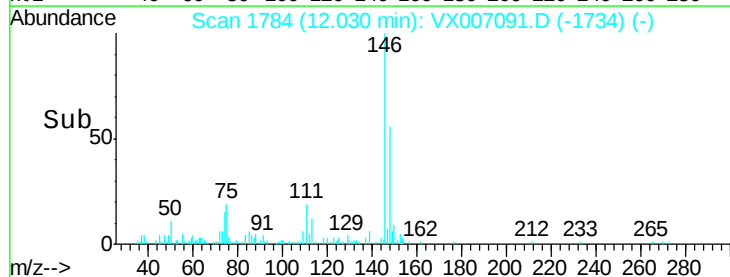
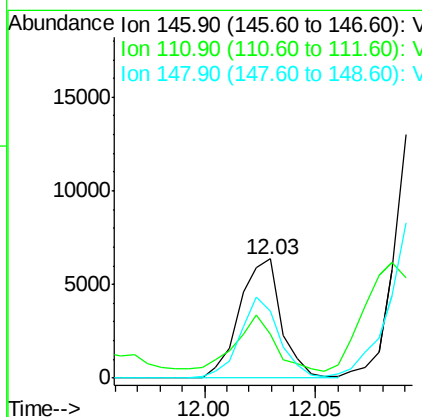
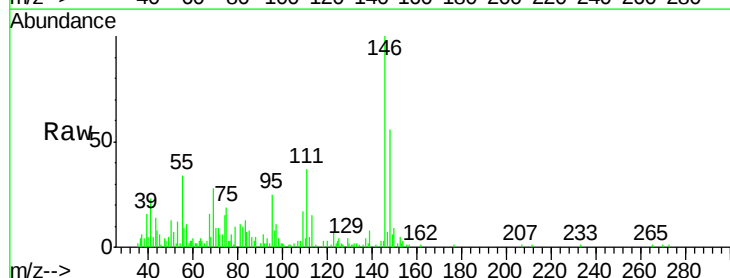
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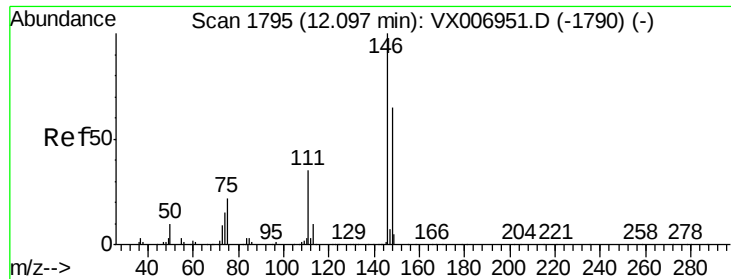
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#87
 1,3-Dichlorobenzene
 Concen: 0.543 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	18.6	55.8
148	64.8	31.8	95.3





#88
 1,4-Dichlorobenzene
 Concen: 1.487 ug/l m
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007091.D
 Acq: 17 Jan 2019 16:16

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0500-190115

Tot Ion	Ratio	Lower	Upper
146	100		
111	20.9	18.1	54.1
148	27.6	31.9	95.9#

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