

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011819\
 Data File : VX007137.D
 Acq On : 18 Jan 2019 16:15
 Operator : JC/SP
 Sample : K1195-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190116

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:59:56 AM

Quant Time: Jan 18 22:42:04 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	5.67	168	545908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	838203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	795377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	398140	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	291425	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
35) Dibromofluoromethane	5.51	113	259764	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
50) Toluene-d8	8.71	98	1019580	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.13	95	363585	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	6832	1.217	ug/l #	28
16) Acetone	2.45	43	2952	1.047	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	14047	2.278	ug/l	93
39) Methylcyclohexane	7.45	83	9479	1.020	ug/l #	44
40) Benzene	6.15	78	14071	0.633	ug/l	98
65) Chlorobenzene	10.14	112	3529463	203.456	ug/l	98
73) Isopropylbenzene	11.02	105	34829	1.241	ug/l	97
83) tert-Butylbenzene	11.77	119	82687	3.533	ug/l	89
85) sec-Butylbenzene	11.94	105	76533	2.738	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	4027	0.288	ug/l	80
88) 1,4-Dichlorobenzene	12.10	146	8440m	0.780	ug/l	

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

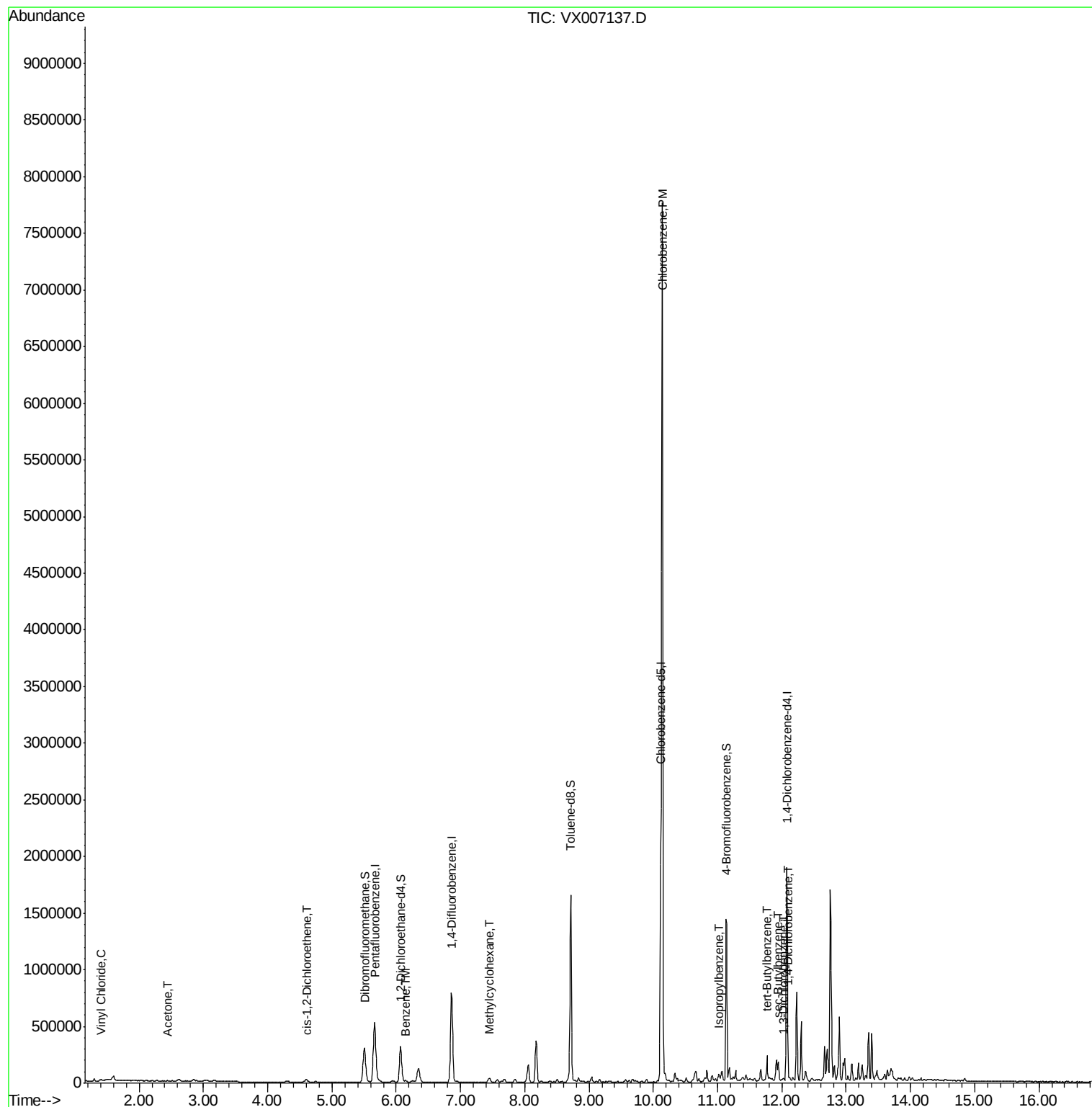
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011819\
Data File : VX007137.D
Acq On : 18 Jan 2019 16:15
Operator : JC/SP
Sample : K1195-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

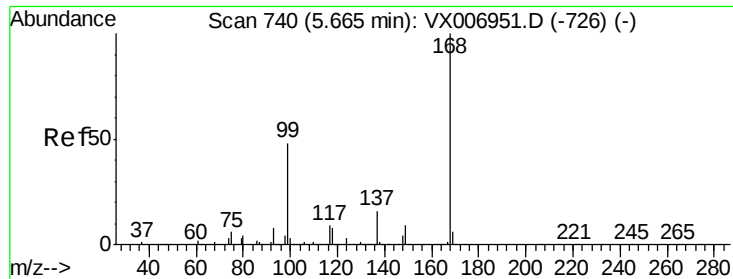
Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190116

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Quant Time: Jan 18 22:42:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 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: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190116

Tot Ion:168 Resp: 545908

Ion Ratio Lower Upper

168 100

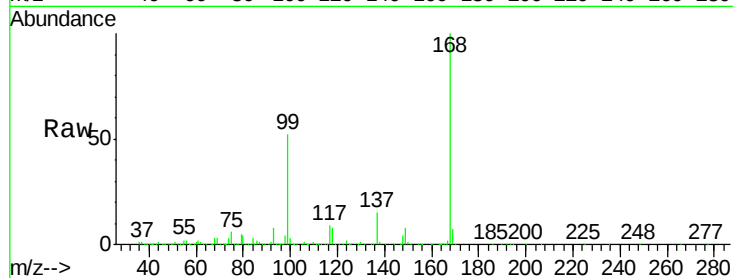
99 51.8 41.8 62.8

Manual Integrations

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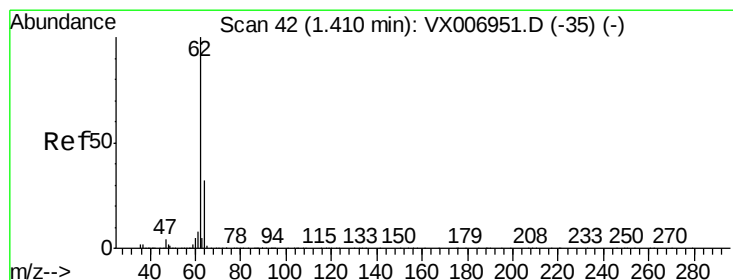
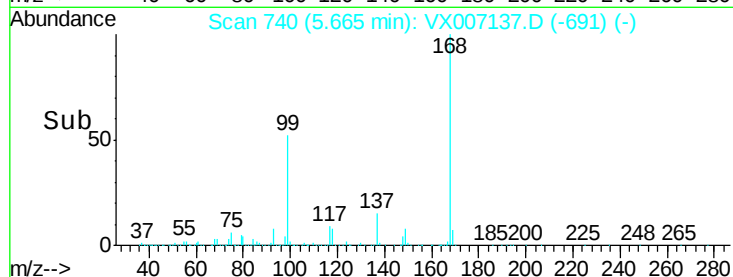
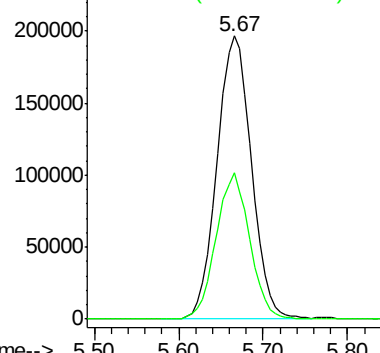
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.217 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX007137.D

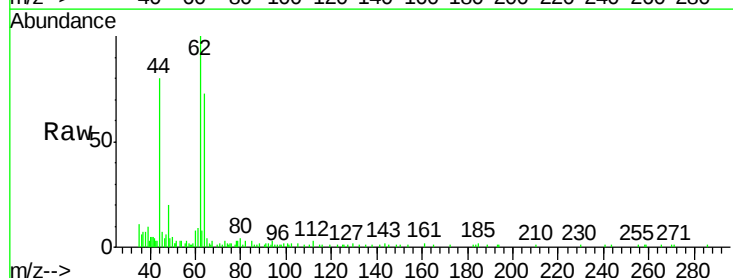
Acq: 18 Jan 2019 16:15

Tgt Ion: 62 Resp: 6832

Ion Ratio Lower Upper

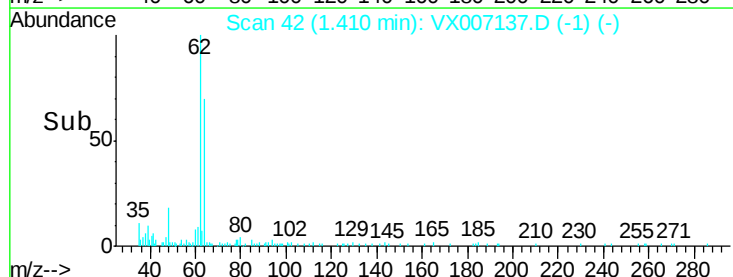
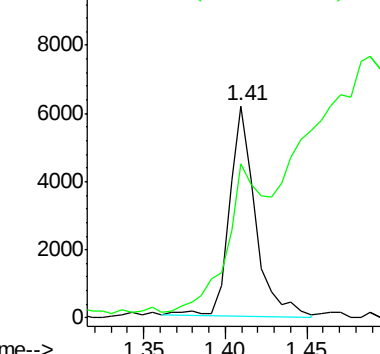
62 100

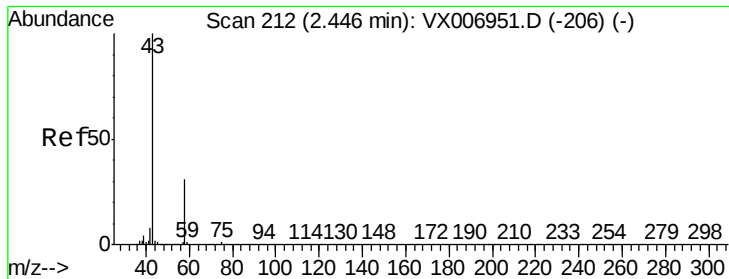
64 71.1 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 1.047 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190116

Tot Ion: 43 Resp: 2952

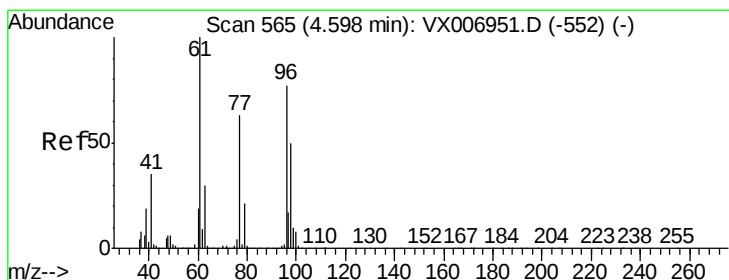
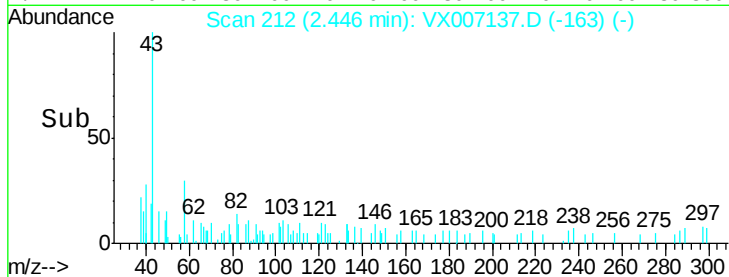
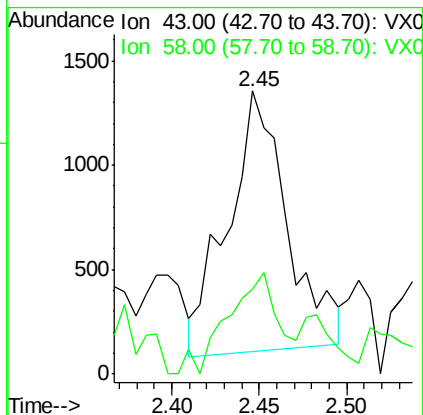
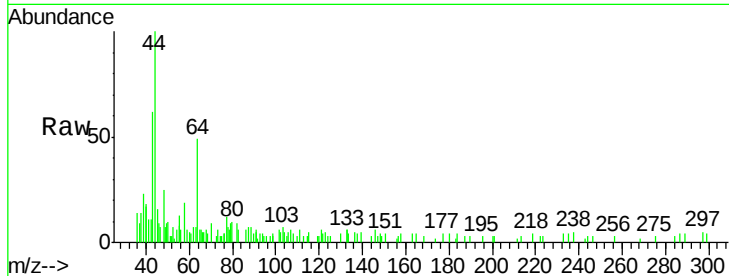
Ion Ratio Lower Upper

43 100

58 26.2 25.0 37.6

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#27

cis-1,2-Dichloroethene

Concen: 2.278 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

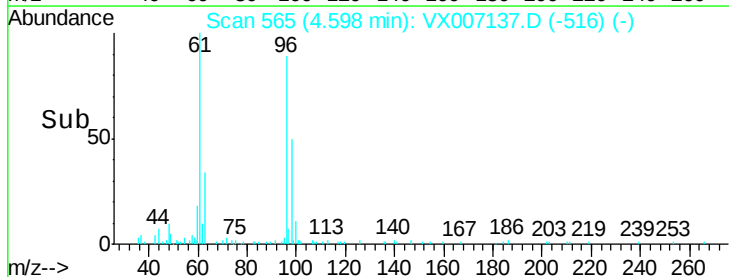
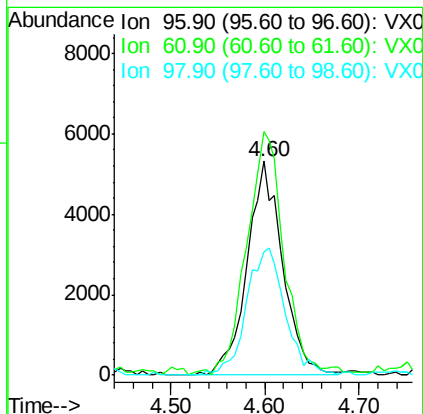
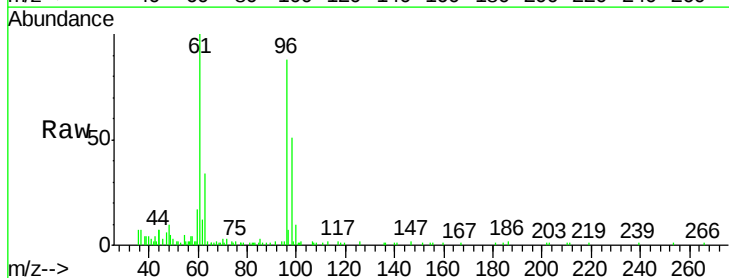
Tgt Ion: 96 Resp: 14047

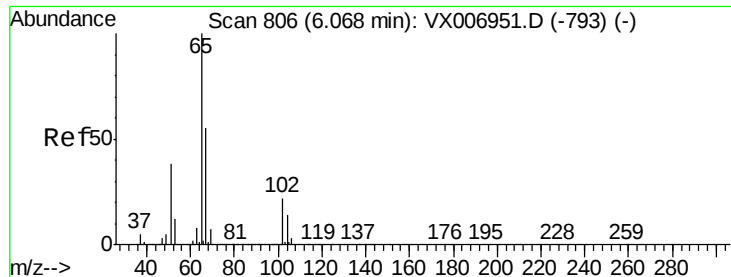
Ion Ratio Lower Upper

96 100

61 118.8 0.0 258.6

98 64.7 0.0 132.0





#33

1,2-Dichloroethane-d4

Concen: 51.081 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190116

Tot Ion: 65 Resp: 291425

Ion Ratio Lower Upper

65 100

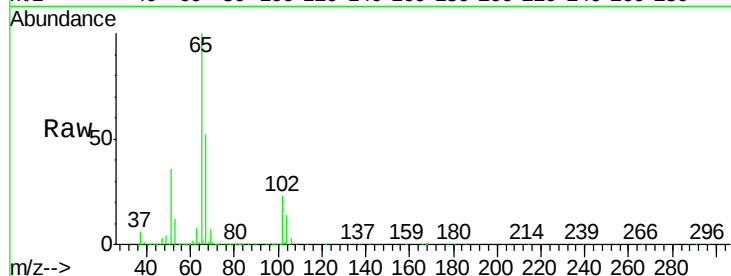
67 53.3 0.0 105.0

Manual Integrations

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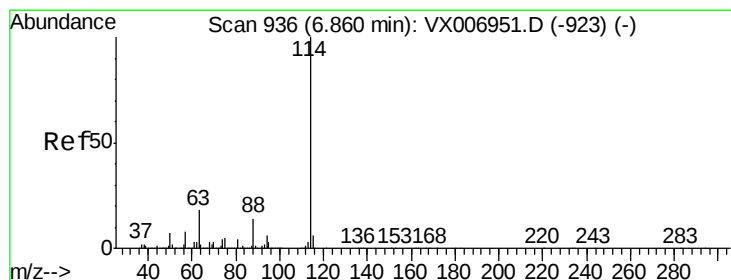
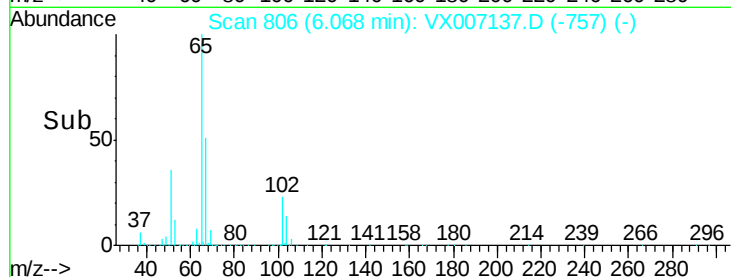
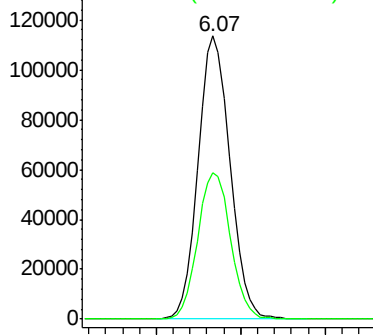
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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: VX007137.D

Acq: 18 Jan 2019 16:15

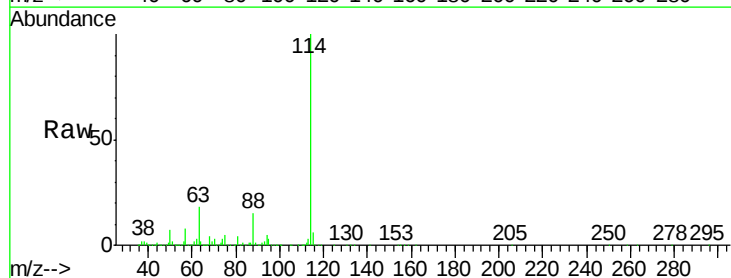
Tgt Ion: 114 Resp: 838203

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.8

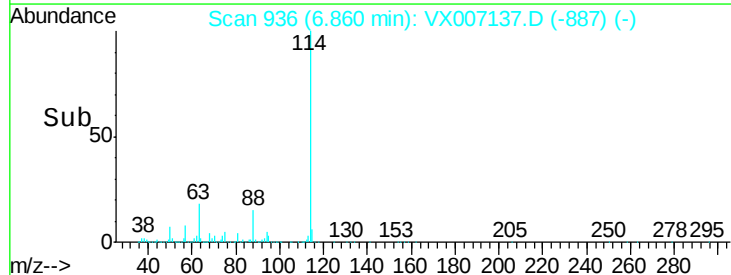
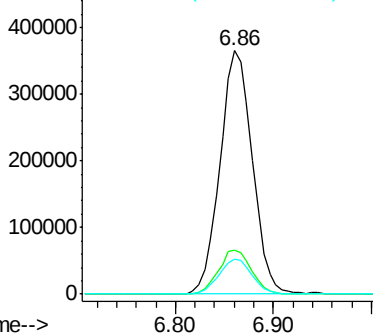
88 14.5 0.0 28.8

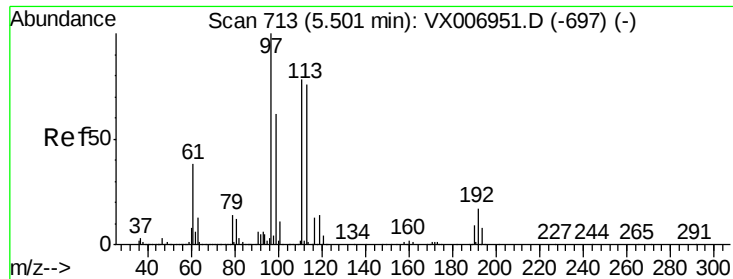


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.393 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

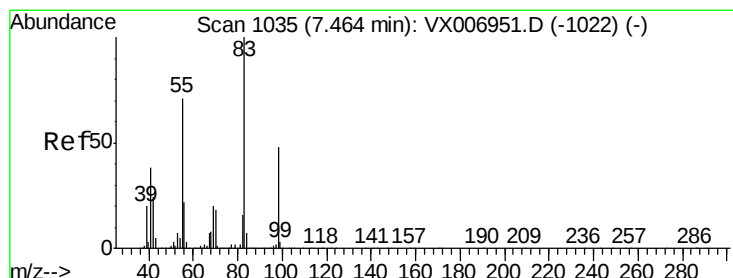
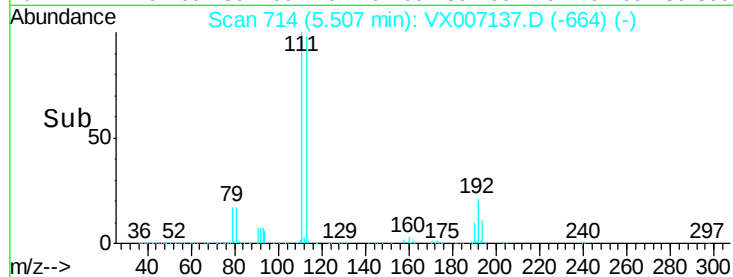
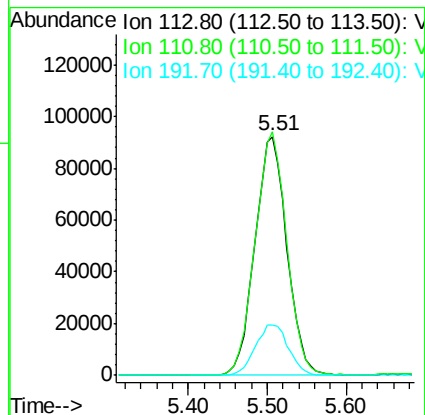
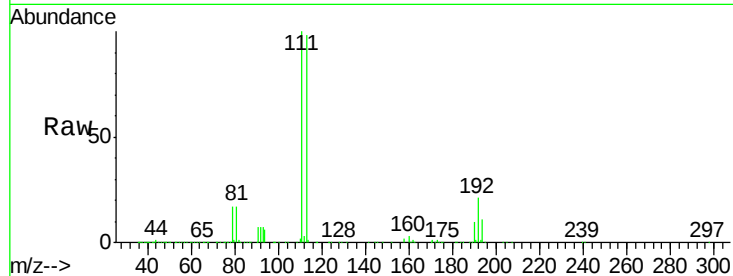
ClientSampleId :

SS037MW036-190116

Tot Ion:	113	Resp:	259764
Ion Ratio	Lower	Upper	
113	100		
111	101.0	81.6	122.4
192	22.0	16.7	25.1

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#39

Methylcyclohexane

Concen: 1.020 ug/l

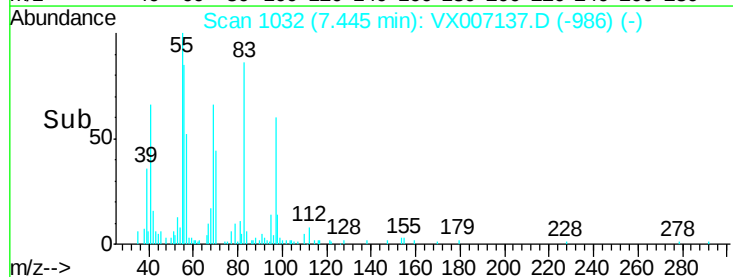
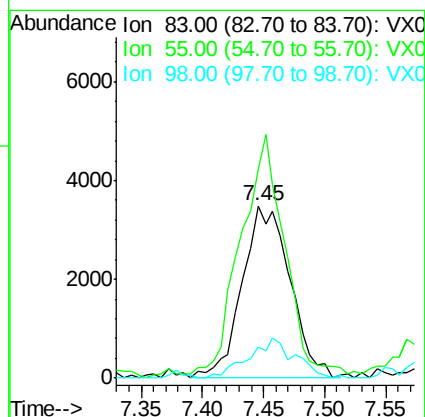
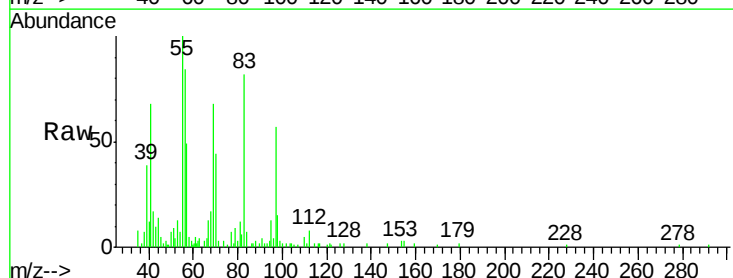
RT: 7.45 min Scan# 1032

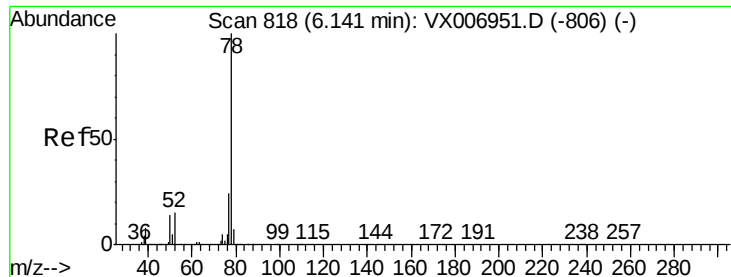
Delta R.T. -0.02 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Tgt Ion:	83	Resp:	9479
Ion Ratio	Lower	Upper	
83	100		
55	119.0	54.9	82.3#
98	16.3	37.9	56.9#





#40

Benzene

Concen: 0.633 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190116

Tot Ion: 78 Resp: 14071

Ion Ratio Lower Upper

78 100

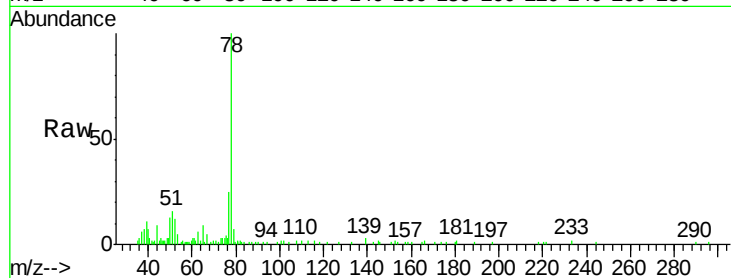
77 24.9 19.2 28.8

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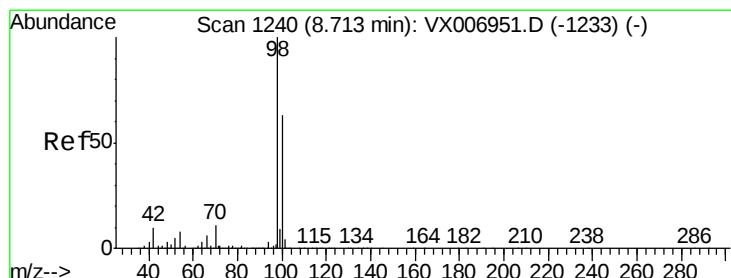
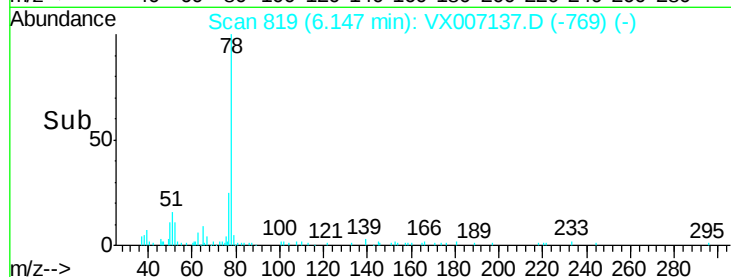
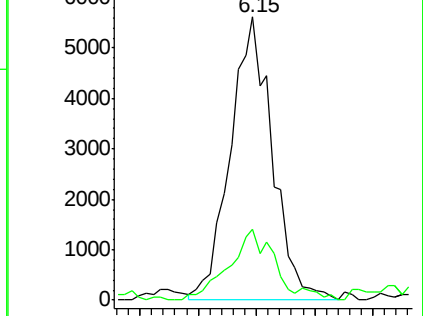
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.893 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007137.D

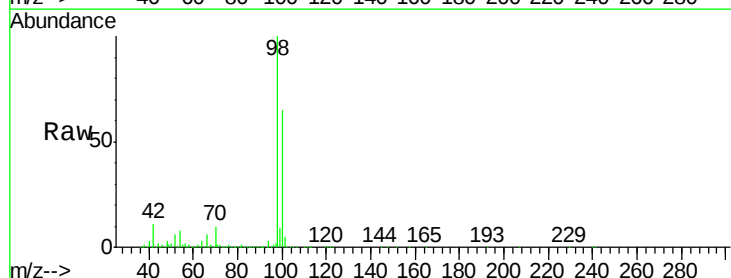
Acq: 18 Jan 2019 16:15

Tgt Ion: 98 Resp: 1019580

Ion Ratio Lower Upper

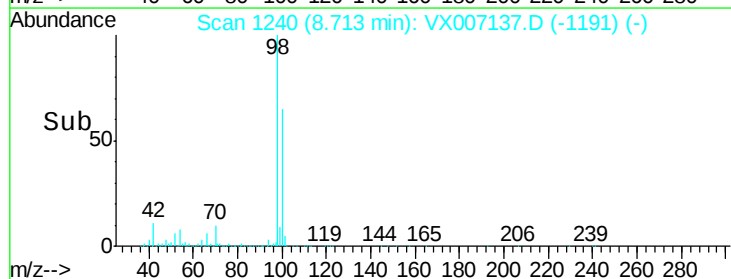
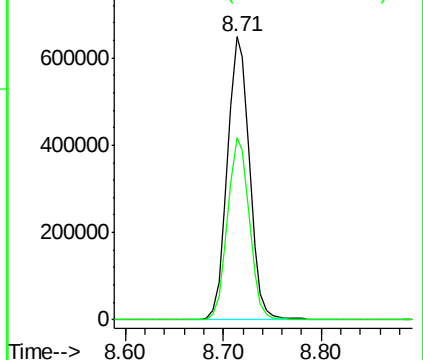
98 100

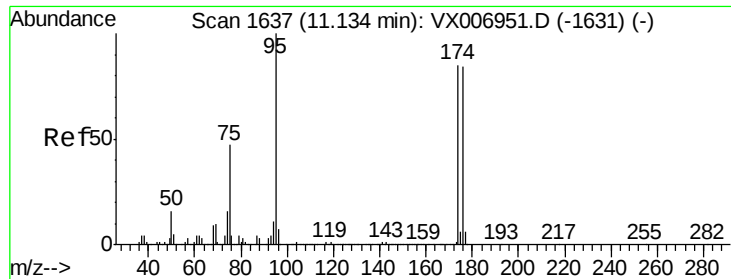
100 63.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 53.080 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

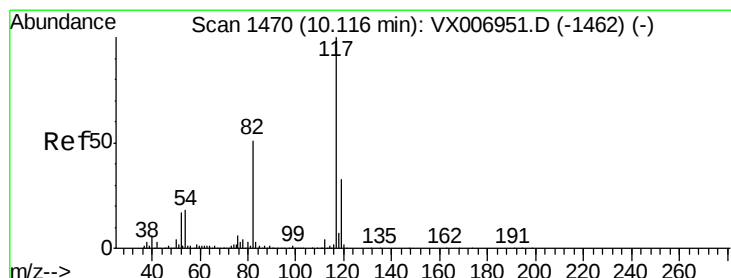
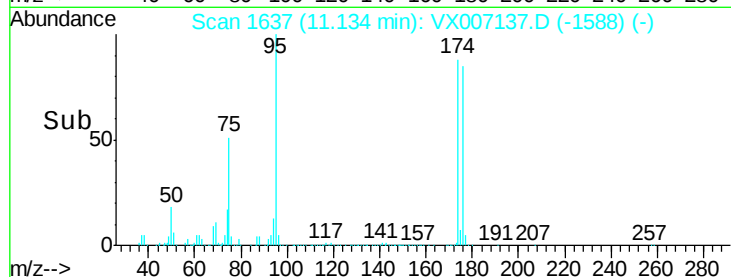
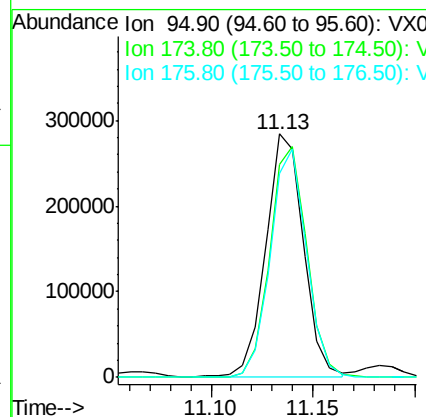
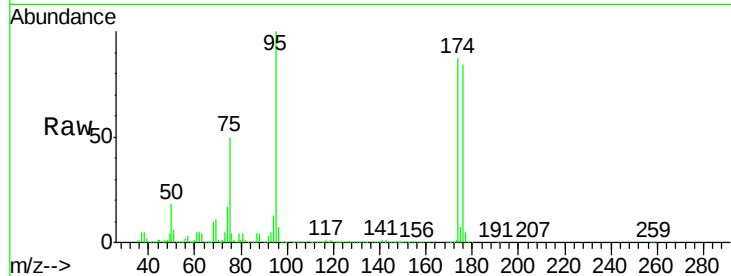
ClientSampleId :

SS037MW036-190116

Tot Ion:	95	Resp:	363585
Ion Ratio	Lower	Upper	
95	100		
174	94.2	0.0	182.2
176	91.2	0.0	178.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

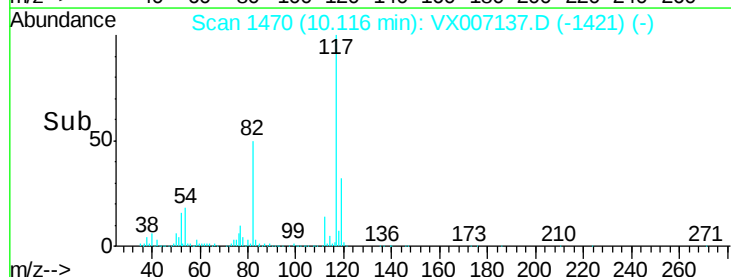
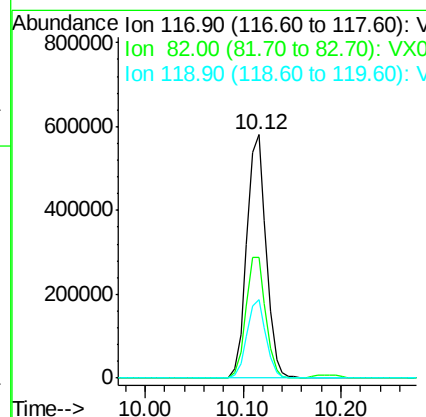
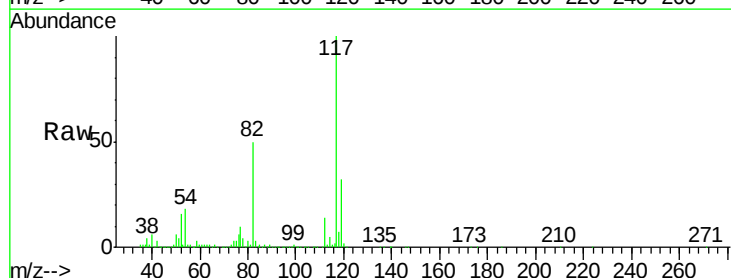
RT: 10.12 min Scan# 1470

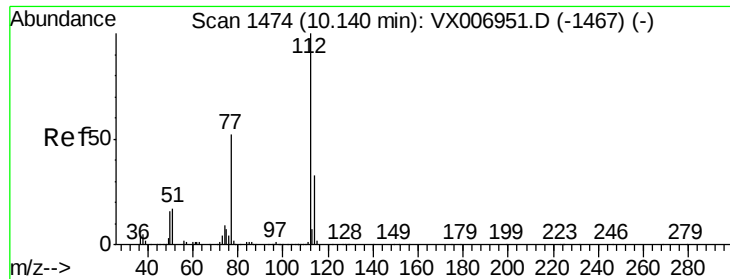
Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Tgt Ion:	117	Resp:	795377
Ion Ratio	Lower	Upper	
117	100		
82	49.5	41.0	61.6
119	32.0	25.4	38.0





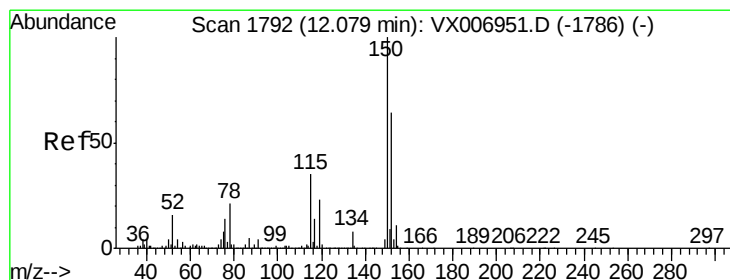
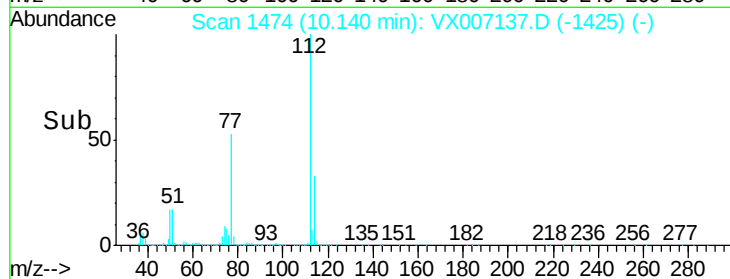
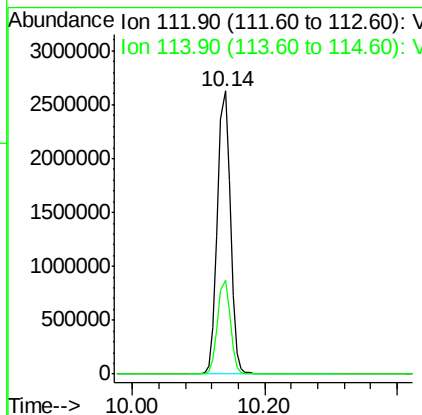
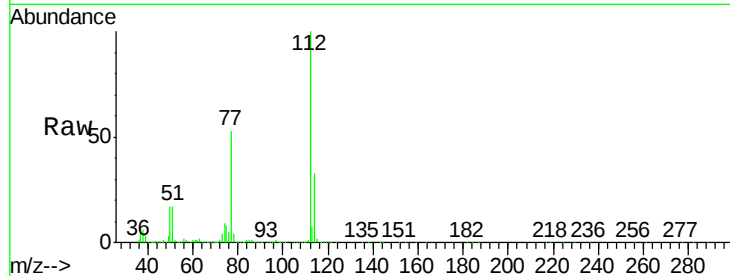
#65
Chlorobenzene
Concen: 203.456 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007137.D
Acq: 18 Jan 2019 16:15

Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190116

Tot Ion:112 Resp: 3529463
Ion Ratio Lower Upper
112 100
114 33.3 25.7 38.5

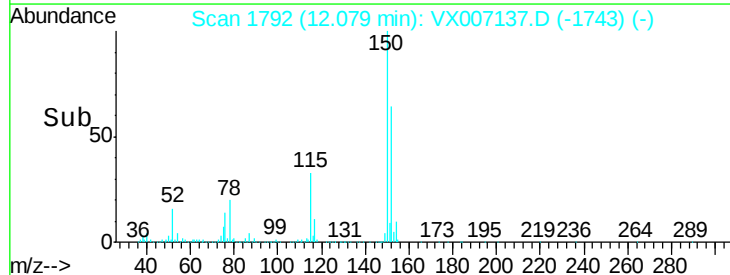
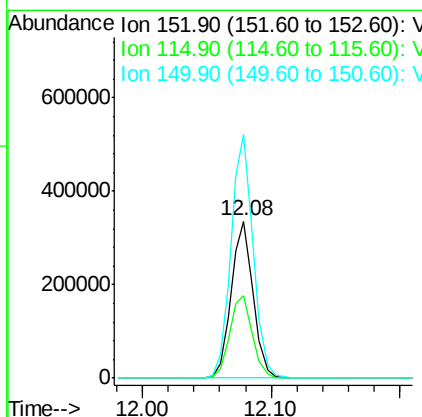
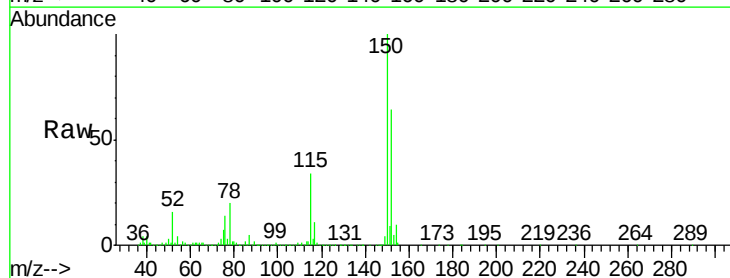
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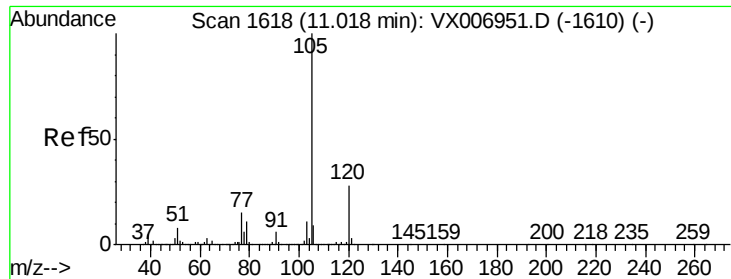
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1/21/2019 10:59:56 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007137.D
Acq: 18 Jan 2019 16:15

Tgt Ion:152 Resp: 398140
Ion Ratio Lower Upper
152 100
115 54.4 39.1 117.2
150 156.9 0.0 344.8





#73

Isopropylbenzene

Concen: 1.241 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190116

Tot Ion:105 Resp: 34829

Ion Ratio Lower Upper

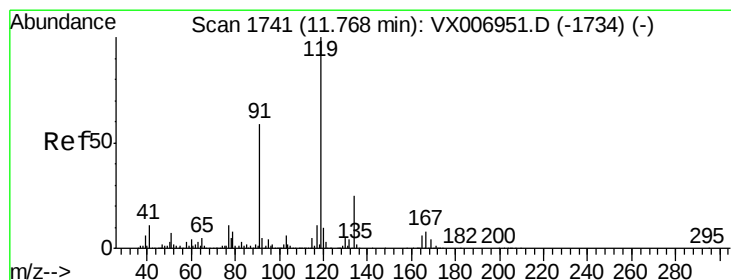
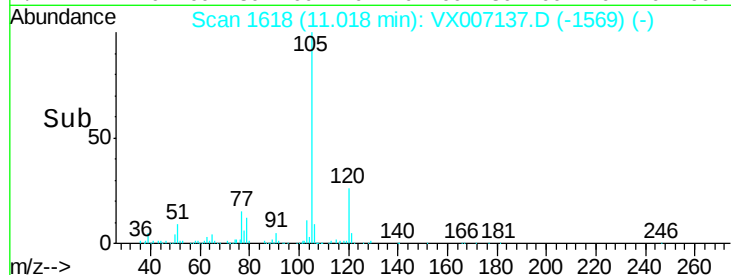
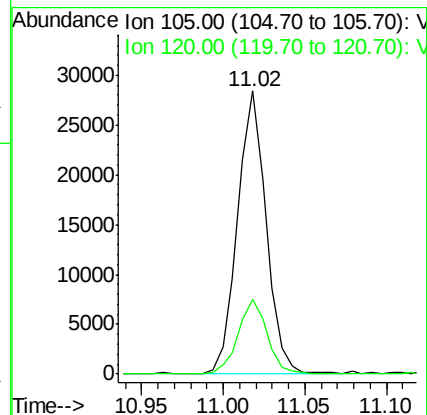
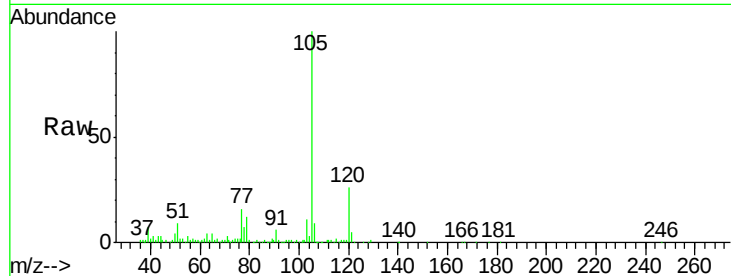
105 100

120 26.7 14.1 42.4

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1/21/2019 10:59:56 AM



#83

tert-Butylbenzene

Concen: 3.533 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

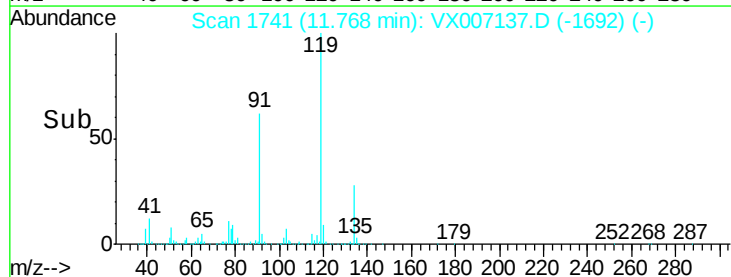
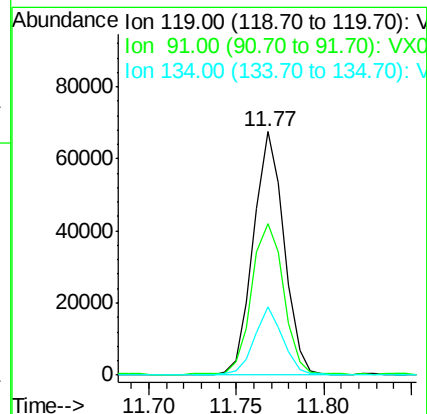
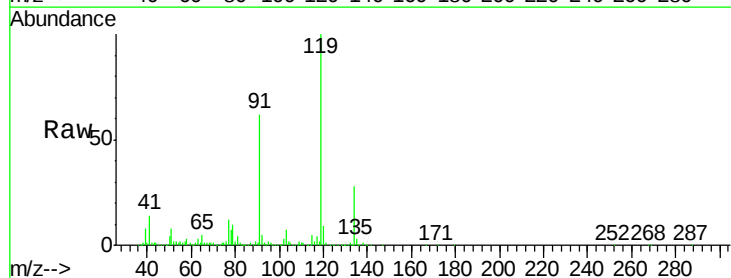
Tgt Ion:119 Resp: 82687

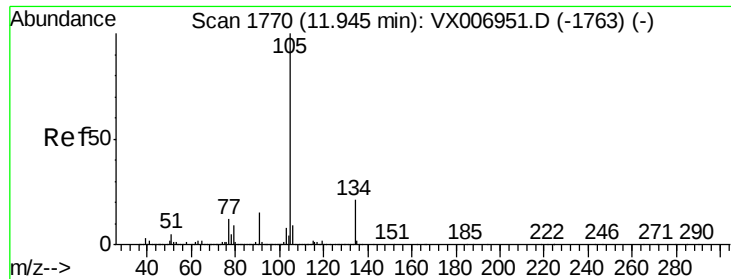
Ion Ratio Lower Upper

119 100

91 64.7 27.7 83.1

134 26.3 11.9 35.5





#85

sec-Butylbenzene

Concen: 2.738 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampled :

SS037MW036-190116

Tot Ion:105 Resp: 76533

Ion Ratio Lower Upper

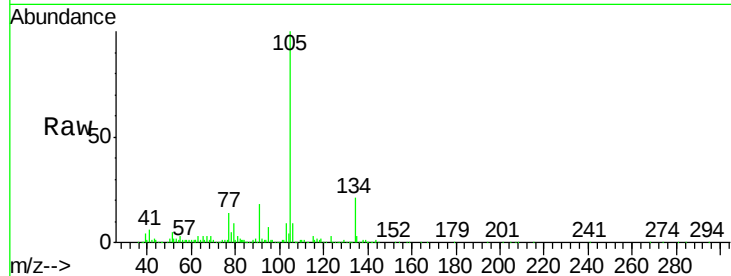
105 100

134 0.0 10.7 31.9#

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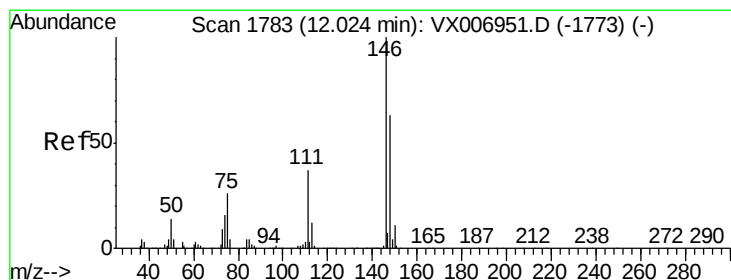
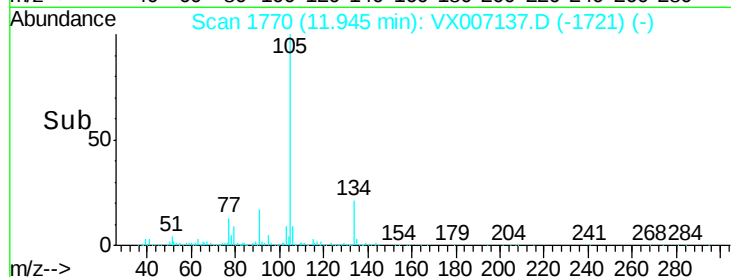
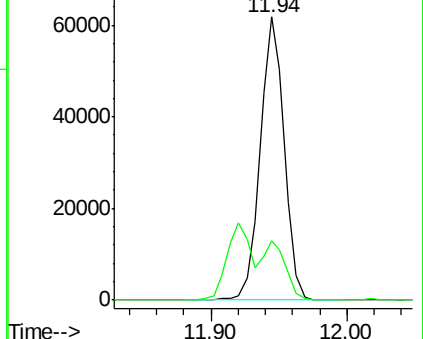
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.288 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

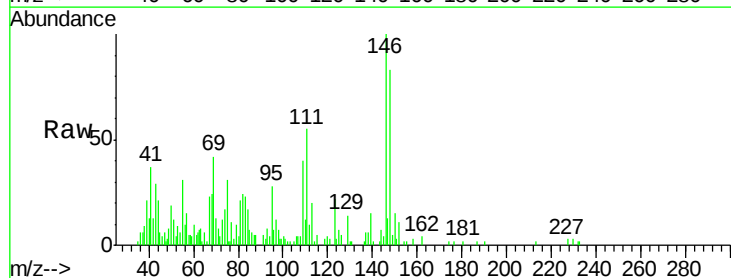
Tgt Ion:146 Resp: 4027

Ion Ratio Lower Upper

146 100

111 46.9 18.6 55.8

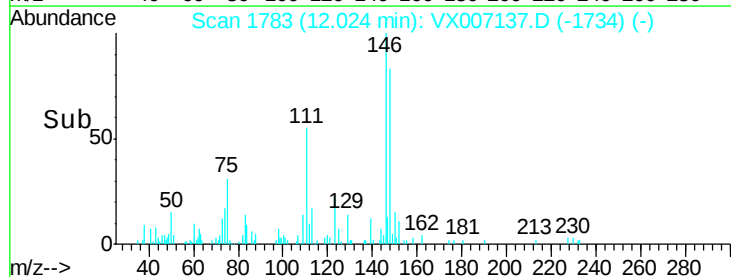
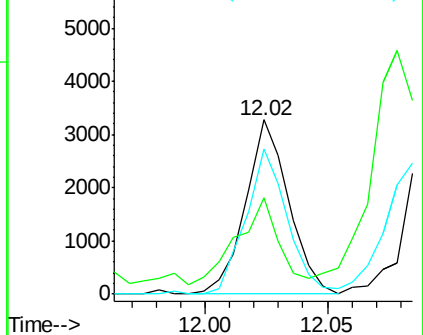
148 81.0 31.8 95.3

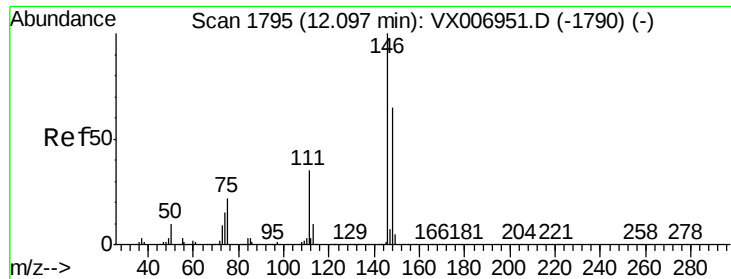


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.780 ug/l m

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007137.D

Acq: 18 Jan 2019 16:15

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190116

Tot Ion:	146	Resp:	8440
Ion Ratio	Lower	Upper	
146	100		
111	22.4	18.1	54.1
148	38.6	31.9	95.9

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