

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011719\
 Data File : VX007096.D
 Acq On : 17 Jan 2019 18:29
 Operator : JC/SP
 Sample : K1168-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW037-190114

Quant Time: Jan 18 06:38:32 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	572679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	877663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	824507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	416937	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	299821	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	
35) Dibromofluoromethane	5.50	113	265453	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	8.71	98	1049423	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	387463	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

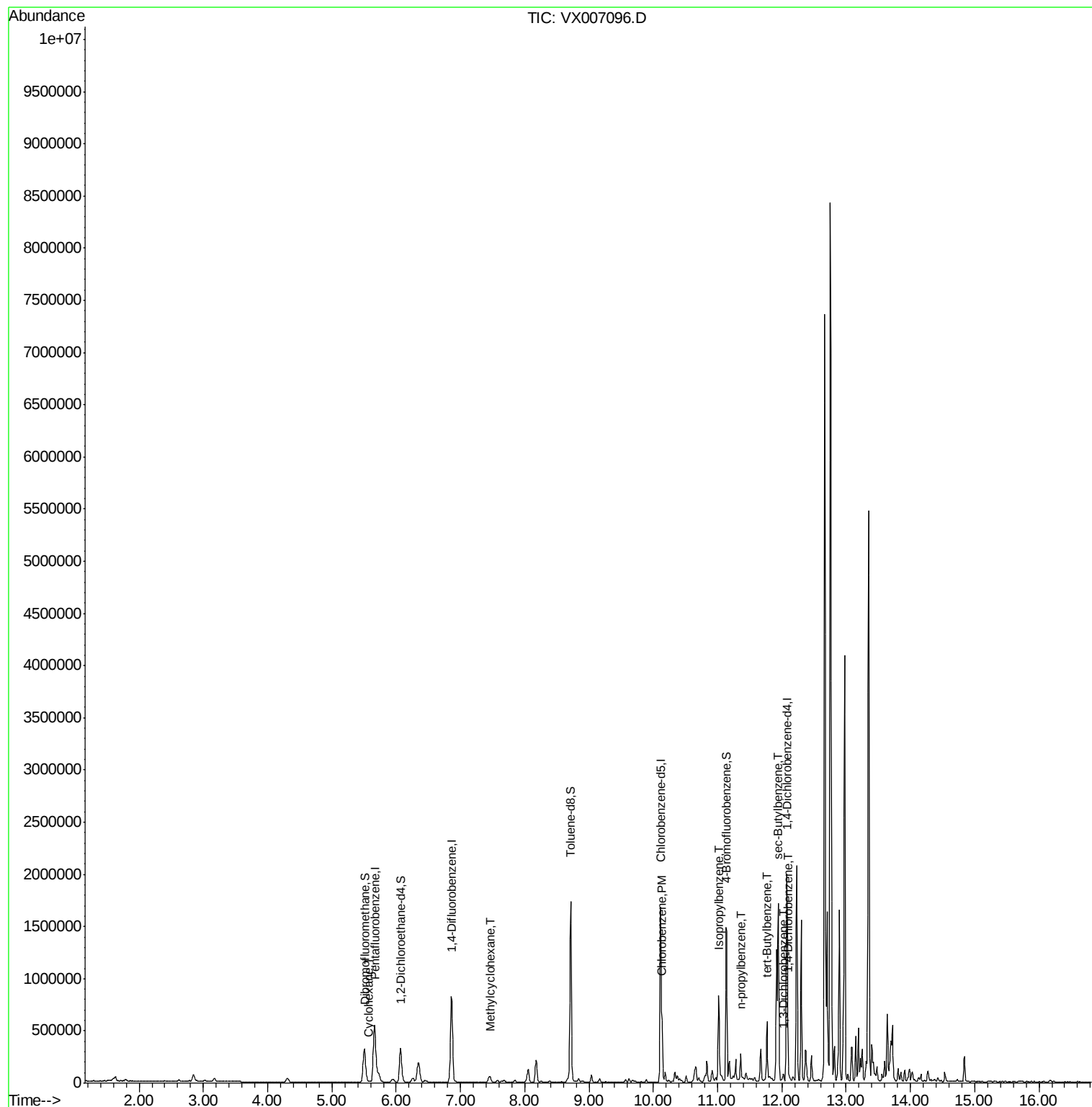
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	4862	0.576	ug/l #	78
39) Methylcyclohexane	7.46	83	22932	2.357	ug/l	91
65) Chlorobenzene	10.14	112	234556	13.043	ug/l	99
73) Isopropylbenzene	11.02	105	428612	14.579	ug/l	99
78) n-propylbenzene	11.36	91	156716	4.856	ug/l	99
83) tert-Butylbenzene	11.77	119	218881	8.930	ug/l	90
85) sec-Butylbenzene	11.94	105	892473	30.489	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	19892	1.359	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	55073	4.103	ug/l	93

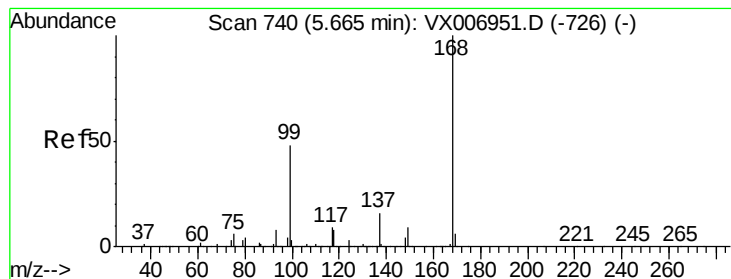
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

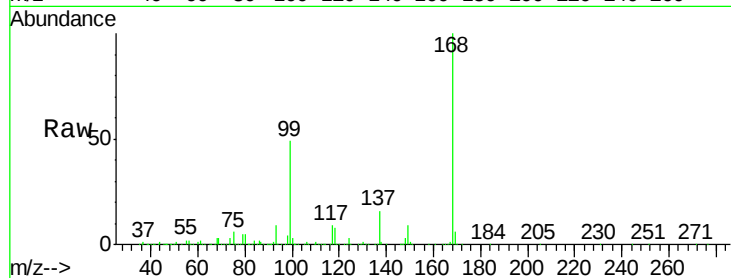
ST008MW037-190114

Tot Ion:168 Resp: 572679

Ion Ratio Lower Upper

168 100

99 49.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

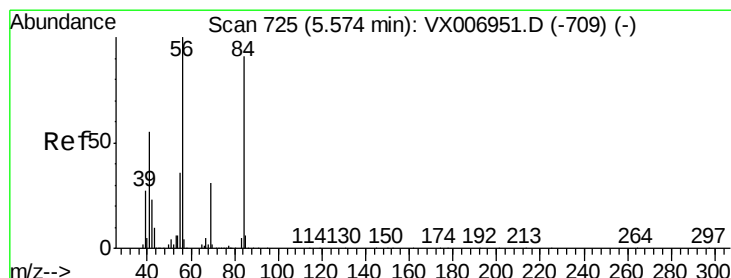
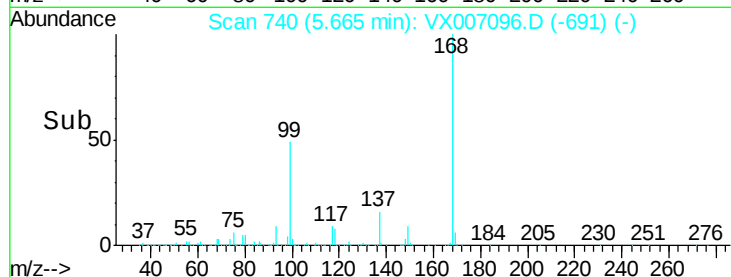
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 0.576 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

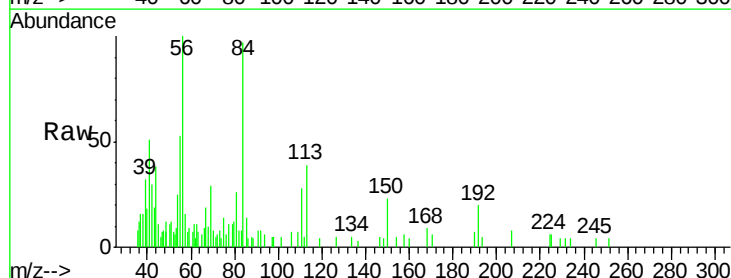
Tgt Ion: 56 Resp: 4862

Ion Ratio Lower Upper

56 100

69 21.2 24.4 36.6#

84 109.4 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

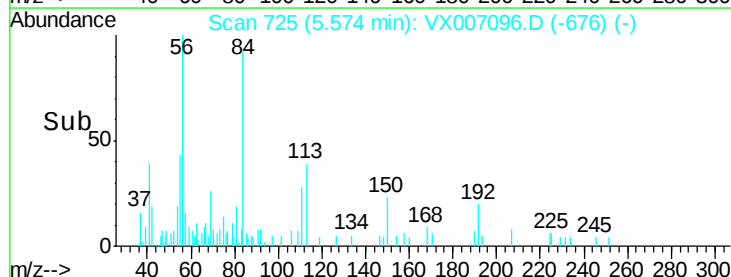
6000

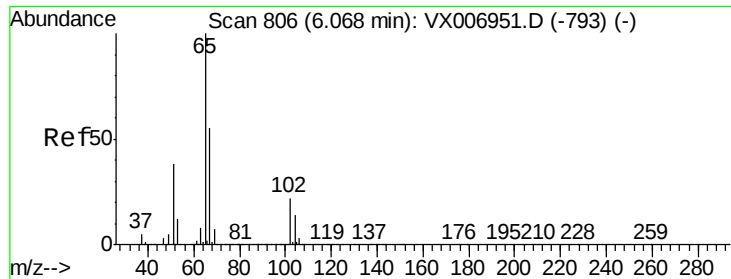
4000

2000

0

Time--> 5.50 5.55 5.60





#33

1,2-Dichloroethane-d4

Concen: 50.096 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

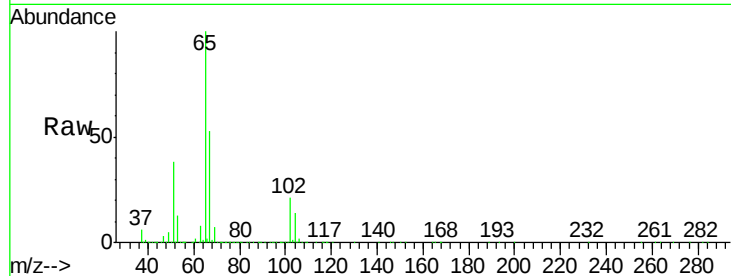
ST008MW037-190114

Tot Ion: 65 Resp: 299821

Ion Ratio Lower Upper

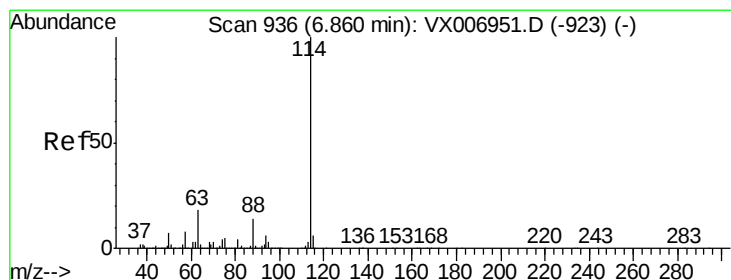
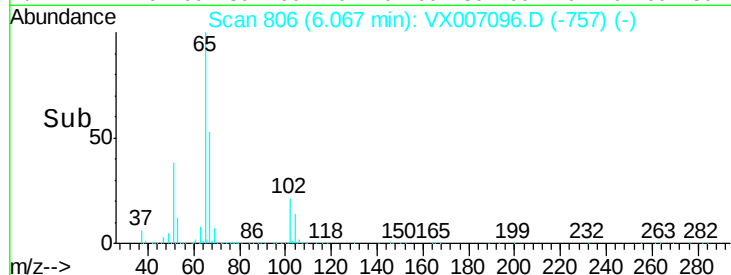
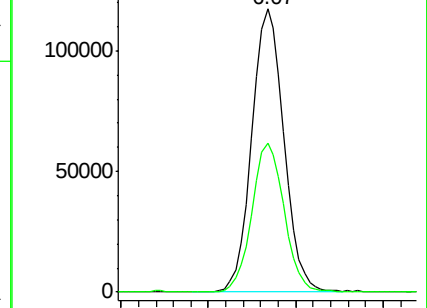
65 100

67 52.8 0.0 105.0



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: VX007096.D

Acq: 17 Jan 2019 18:29

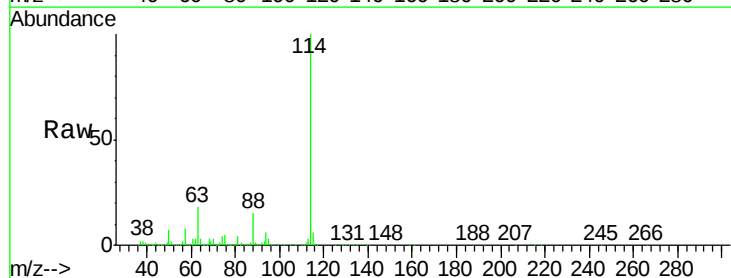
Tgt Ion: 114 Resp: 877663

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

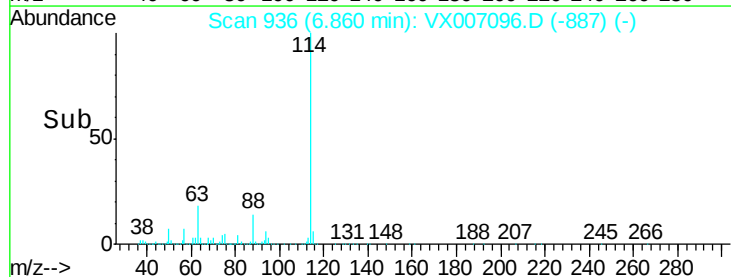
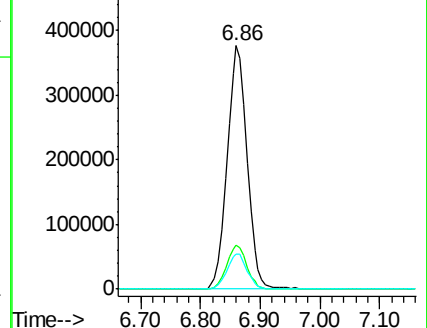
88 14.5 0.0 28.8

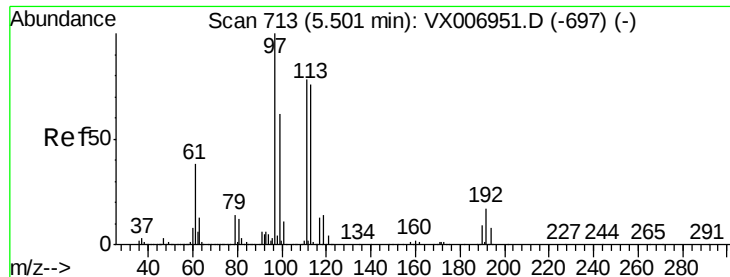


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.229 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

ST008MW037-190114

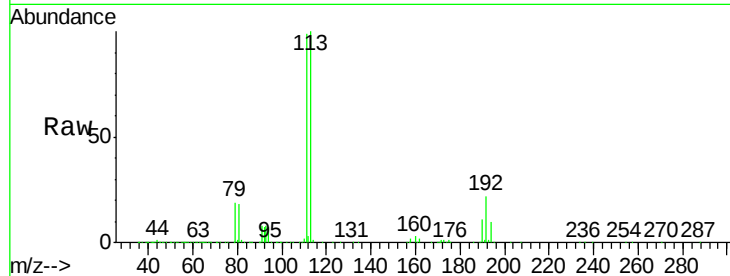
Tot Ion:113 Resp: 265453

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

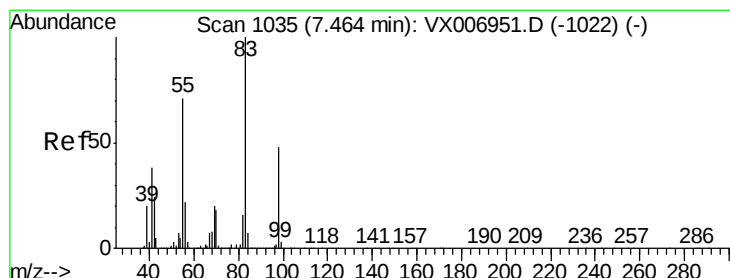
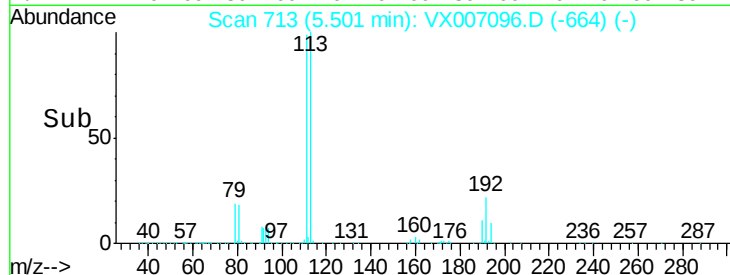
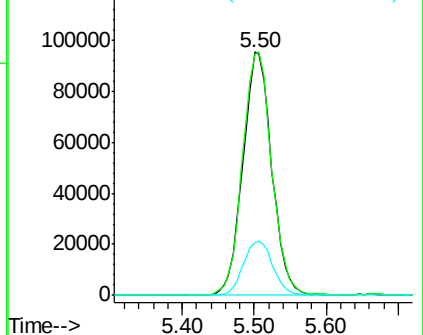
192 23.0 16.7 25.1



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



#39

Methylcyclohexane

Concen: 2.357 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

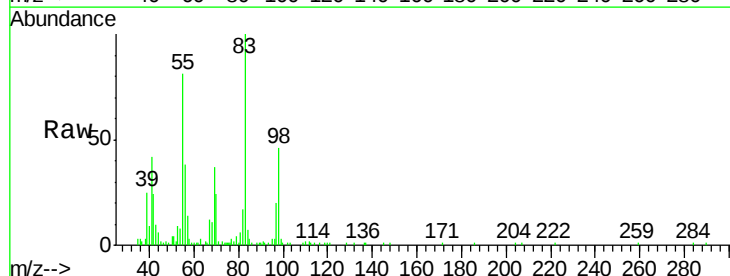
Tgt Ion: 83 Resp: 22932

Ion Ratio Lower Upper

83 100

55 79.4 54.9 82.3

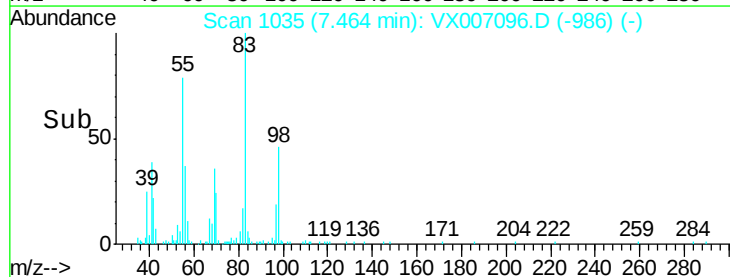
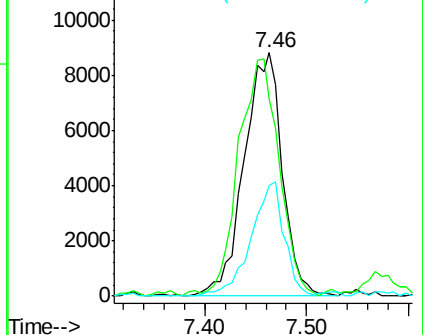
98 45.6 37.9 56.9

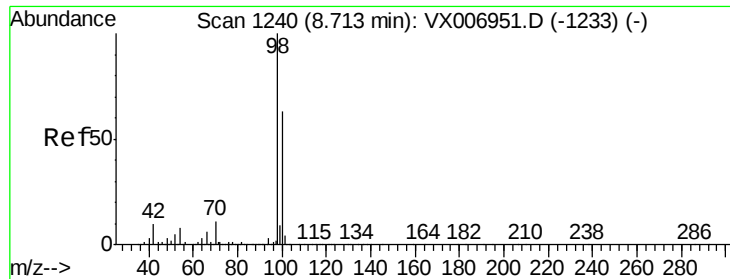


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 51.010 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

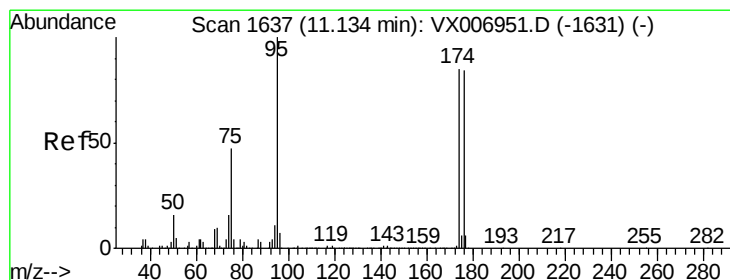
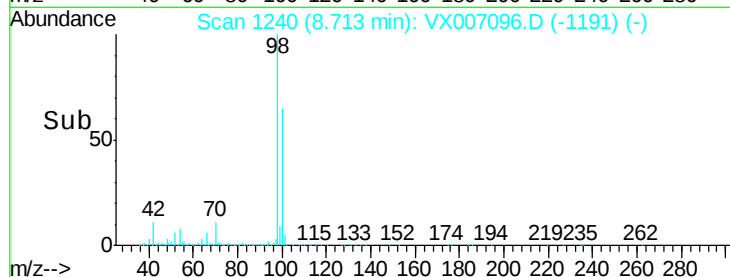
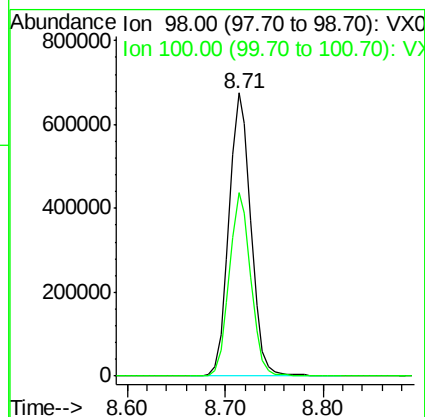
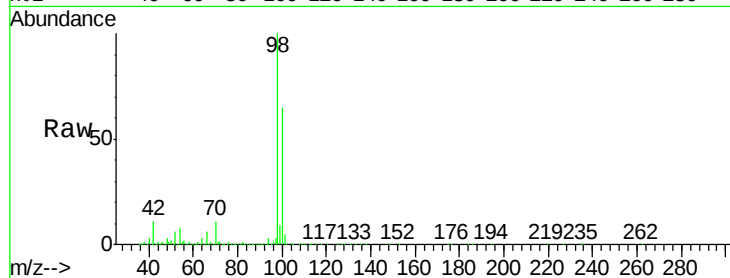
ST008MW037-190114

Tot Ion: 98 Resp: 1049423

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.023 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

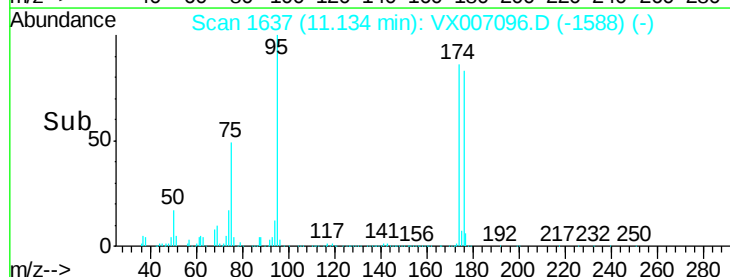
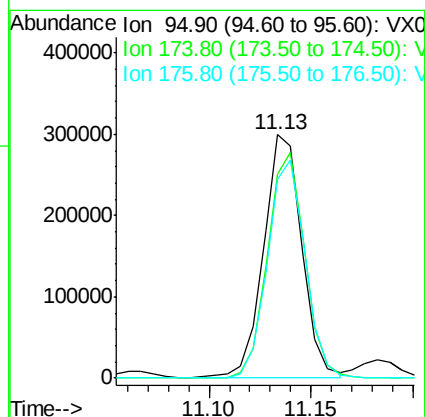
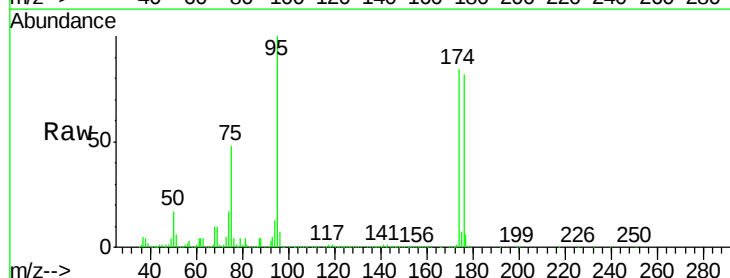
Tgt Ion: 95 Resp: 387463

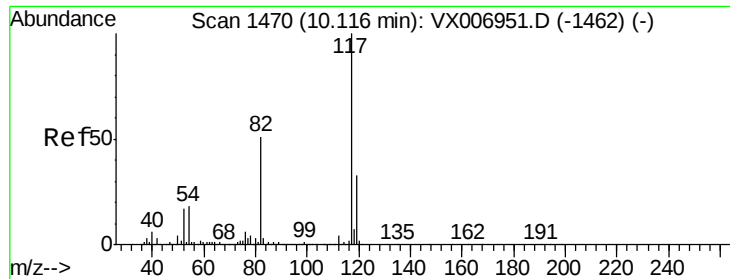
Ion Ratio Lower Upper

95 100

174 91.8 0.0 182.2

176 89.4 0.0 178.8

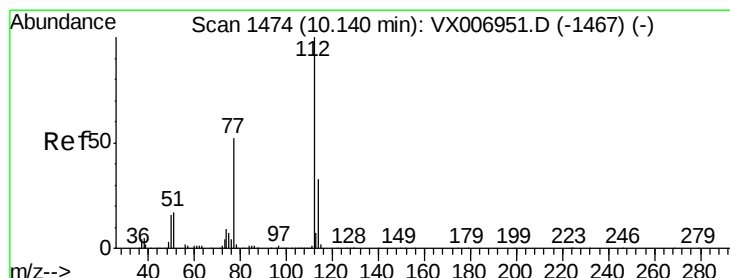
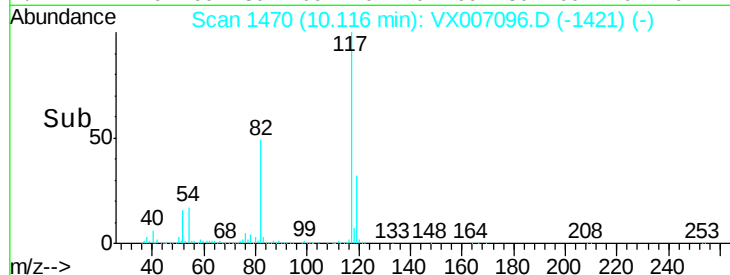
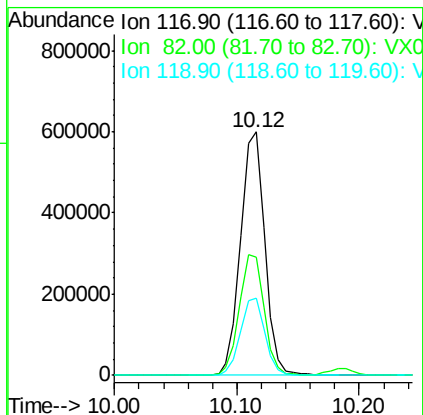
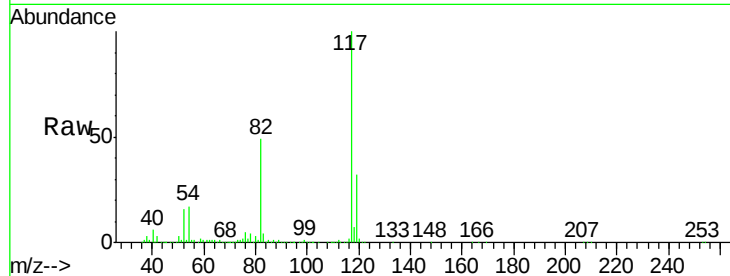




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX007096.D
Acq: 17 Jan 2019 18:29

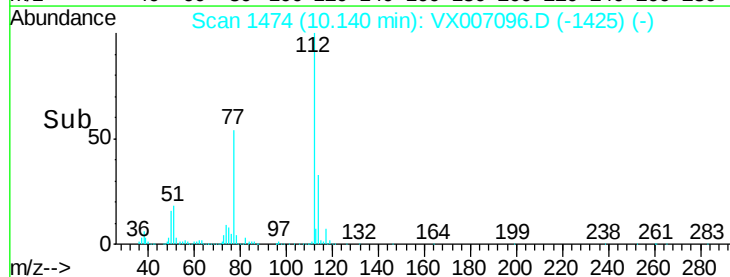
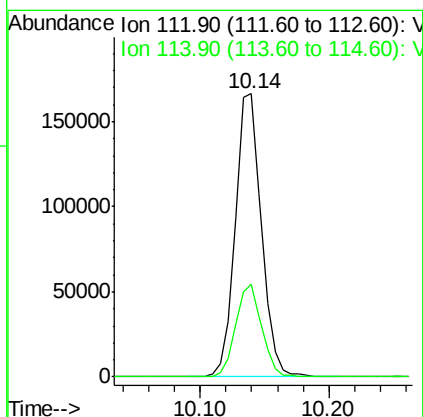
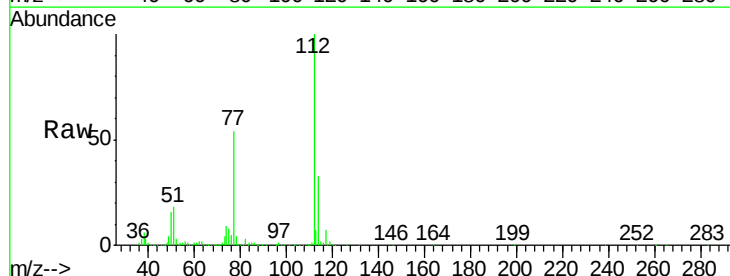
Instrument :
MSVOA_X
ClientSampleId :
ST008MW037-190114

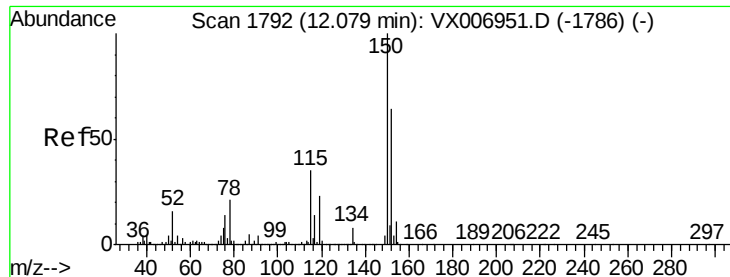
Tot Ion:117 Resp: 824507
Ion Ratio Lower Upper
117 100
82 48.6 41.0 61.6
119 31.9 25.4 38.0



#65
Chlorobenzene
Concen: 13.043 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007096.D
Acq: 17 Jan 2019 18:29

Tgt Ion:112 Resp: 234556
Ion Ratio Lower Upper
112 100
114 32.8 25.7 38.5



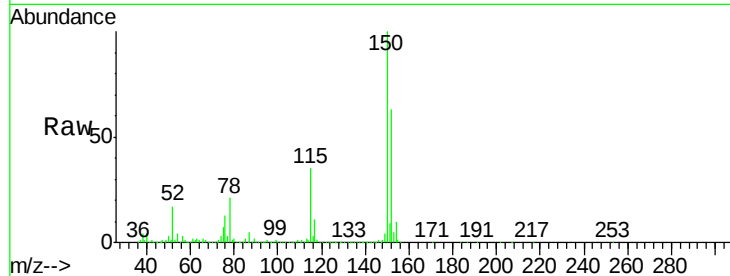


#72

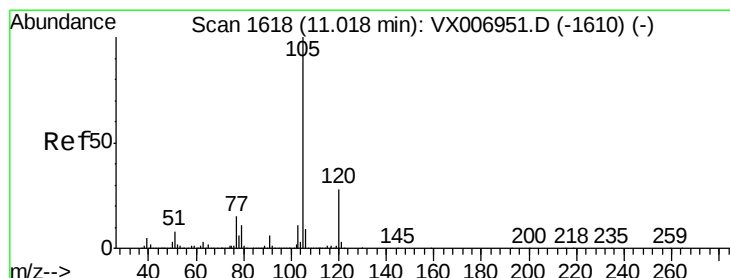
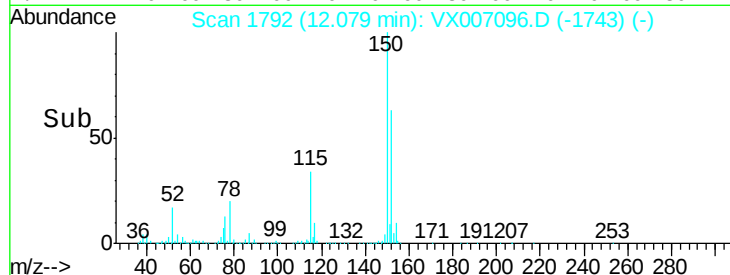
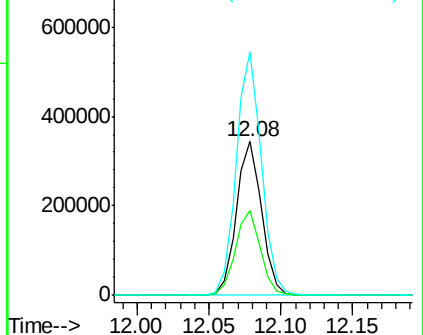
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007096.D
Acq: 17 Jan 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
ST008MW037-190114

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.1	117.2
150	158.9	0.0	344.8



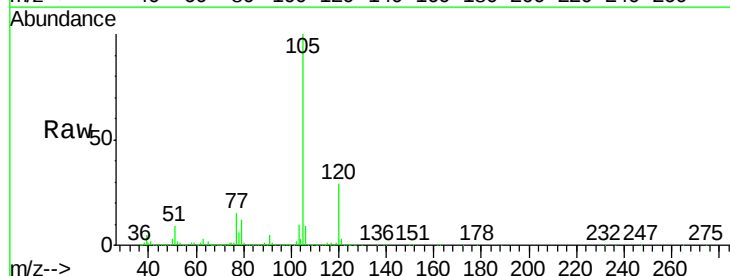
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



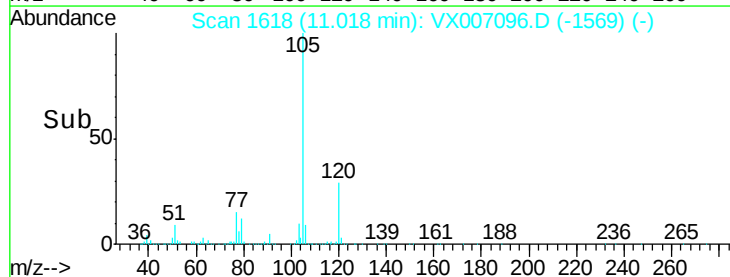
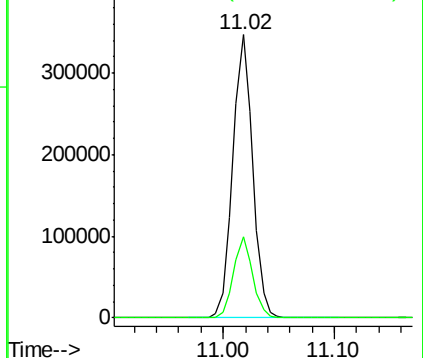
#73

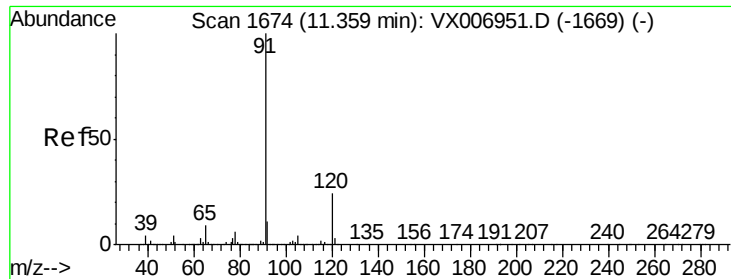
Isopropylbenzene
Concen: 14.579 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007096.D
Acq: 17 Jan 2019 18:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	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: 4.856 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

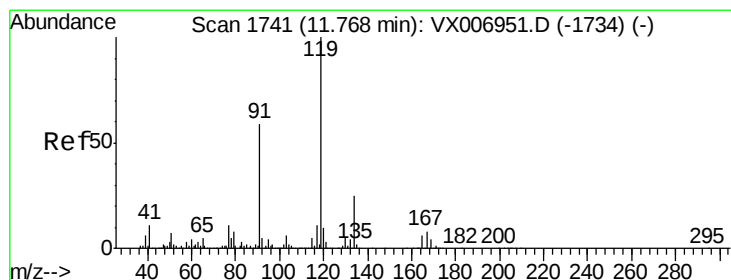
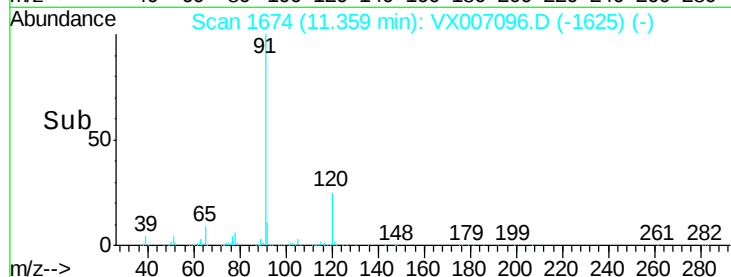
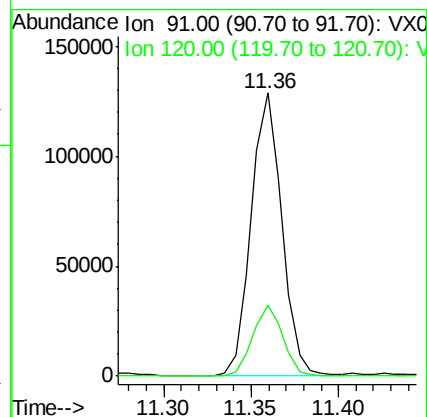
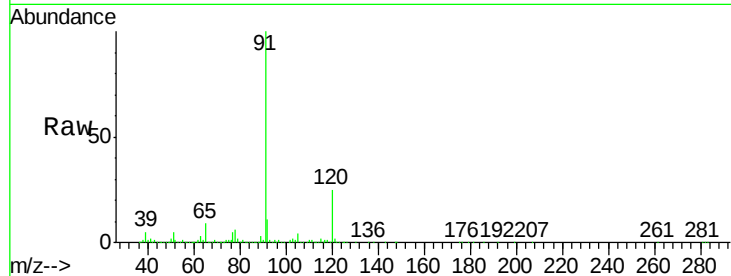
ST008MW037-190114

Tot Ion: 91 Resp: 156716

Ion Ratio Lower Upper

91 100

120 24.9 12.7 38.0



#83

tert-Butylbenzene

Concen: 8.930 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

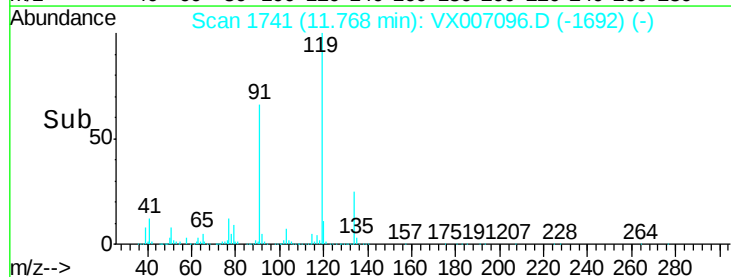
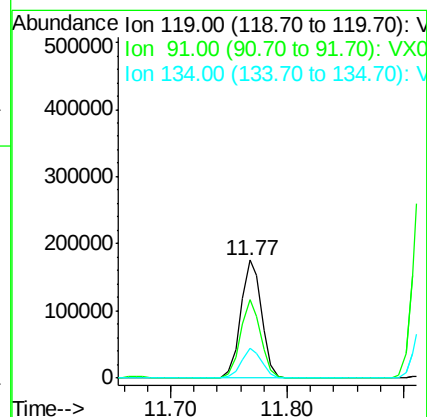
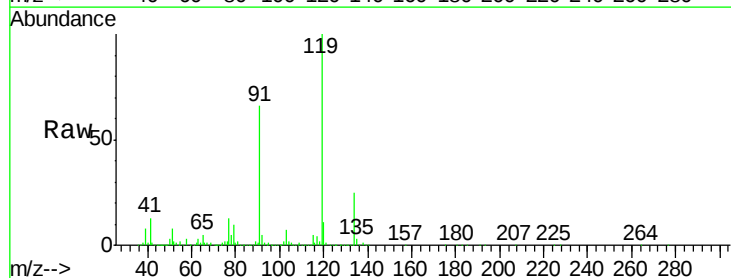
Tgt Ion: 119 Resp: 218881

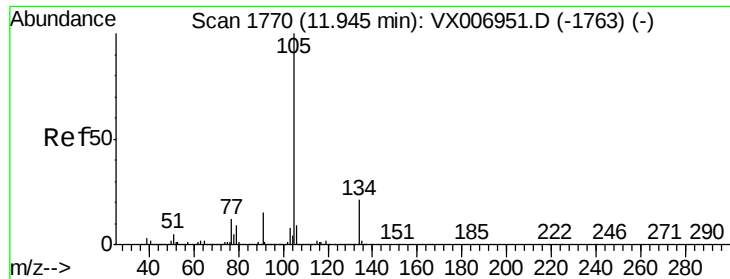
Ion Ratio Lower Upper

119 100

91 65.0 27.7 83.1

134 25.0 11.9 35.5





#85

sec-Butylbenzene

Concen: 30.489 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

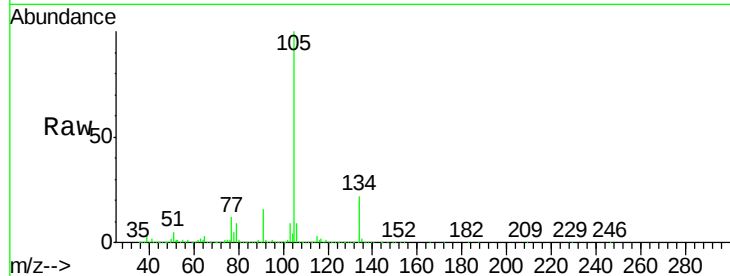
ST008MW037-190114

Tot Ion:105 Resp: 892473

Ion Ratio Lower Upper

105 100

134 19.7 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

800000

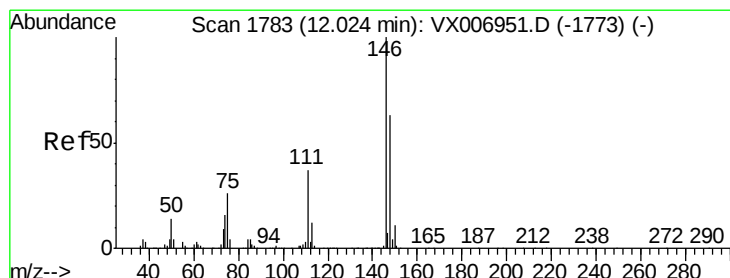
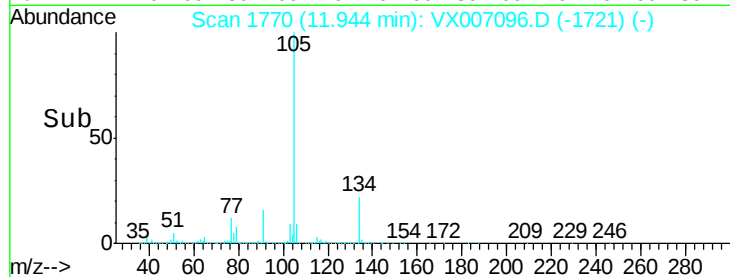
600000

400000

200000

0

Time-->



#87

1,3-Dichlorobenzene

Concen: 1.359 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

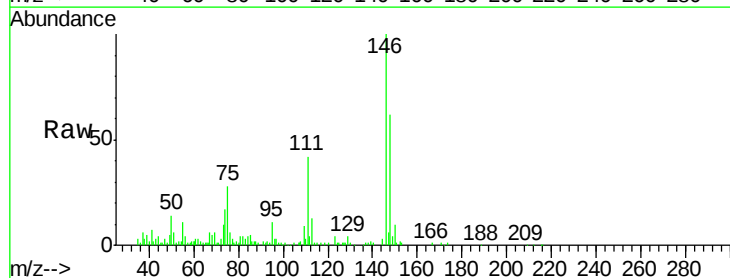
Tgt Ion:146 Resp: 19892

Ion Ratio Lower Upper

146 100

111 41.9 18.6 55.8

148 66.7 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

60000

50000

40000

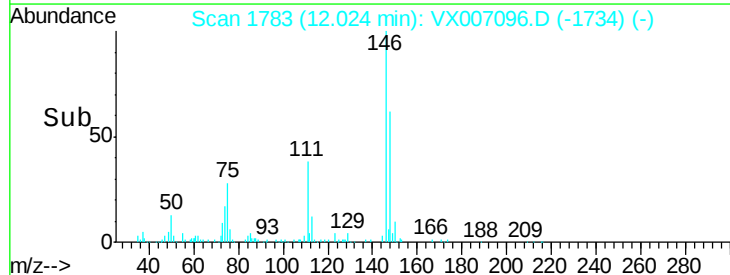
30000

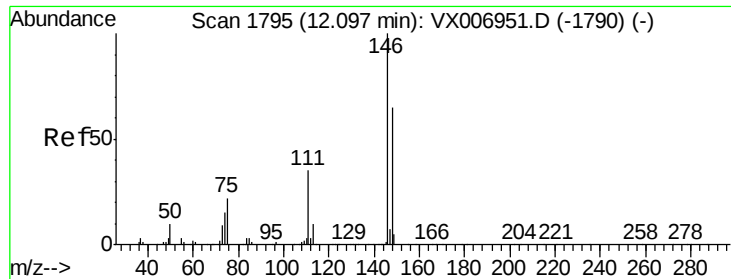
20000

10000

0

Time-->





#88

1,4-Dichlorobenzene

Concen: 4.103 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX007096.D

Acq: 17 Jan 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

ST008MW037-190114

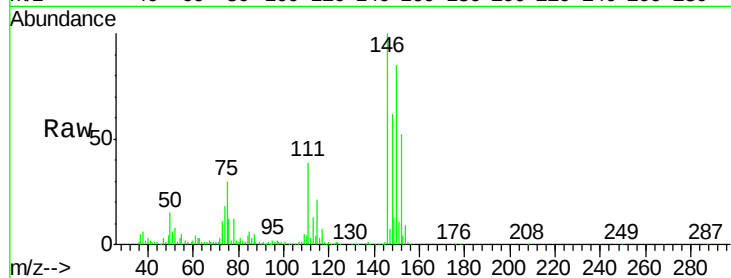
Tot Ion:146 Resp: 55073

Ion Ratio Lower Upper

146 100

111 45.7 18.1 54.1

148 65.0 31.9 95.9



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

