

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002130.D
 Acq On : 30 May 2018 08:39
 Operator : JC/MD
 Sample : J3165-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

Quant Time: Jun 08 13:31:11 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	430663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	401329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	250086	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	202902	38.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.12%	
35) Dibromofluoromethane	5.51	113	151666	35.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.44%	
50) Toluene-d8	8.72	98	617962	39.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.26%	
62) 4-Bromofluorobenzene	11.14	95	236226	38.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.44%	

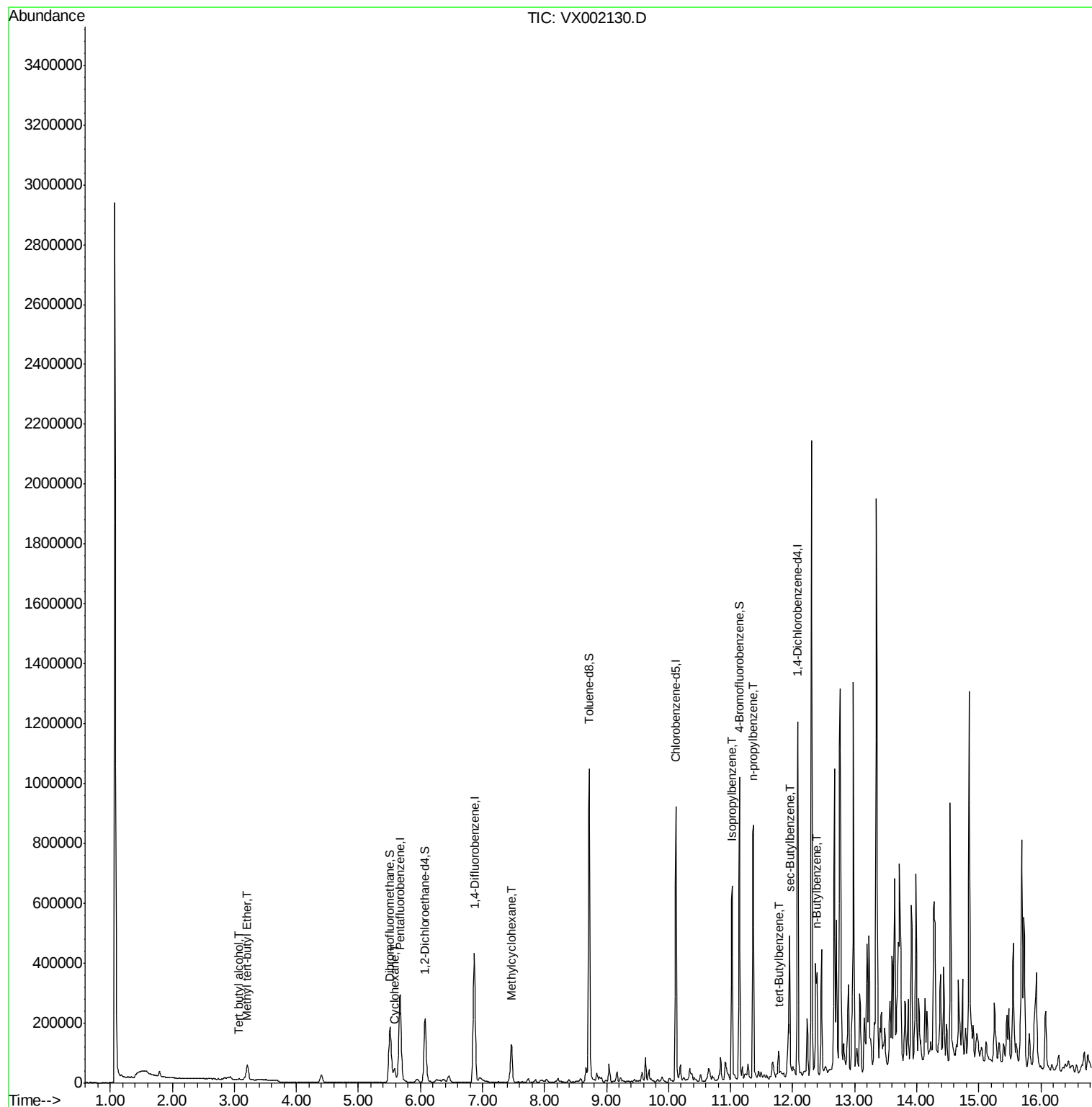
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.07	59	4260	4.12	ug/l	# 71
19) Methyl tert-butyl Ether	3.21	73	55259	4.28	ug/l	98
31) Cyclohexane	5.58	56	30623	4.22	ug/l	98
39) Methylcyclohexane	7.47	83	53349	7.25	ug/l	96
73) Isopropylbenzene	11.02	105	331066	15.63	ug/l	100
78) n-propylbenzene	11.37	91	524094	22.10	ug/l	99
83) tert-Butylbenzene	11.77	119	29813	1.68	ug/l	92
85) sec-Butylbenzene	11.95	105	226777	10.62	ug/l	83
89) n-Butylbenzene	12.39	91	146015	9.02	ug/l	# 81

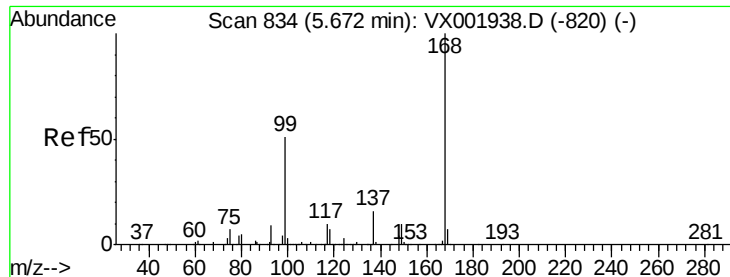
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampleId :

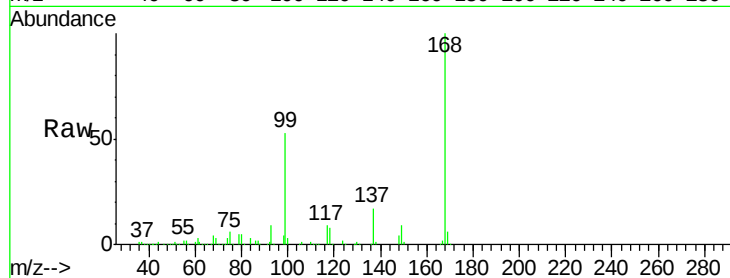
MW-37

Tot Ion:168 Resp: 294368

Ion Ratio Lower Upper

168 100

99 52.6 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

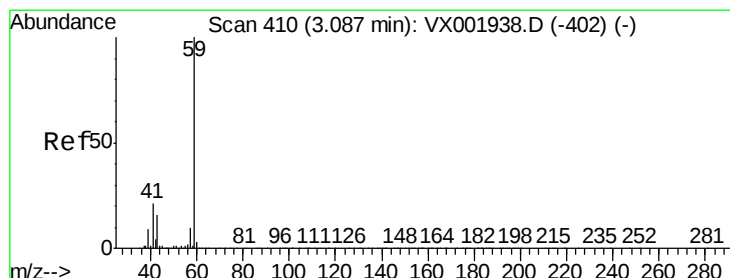
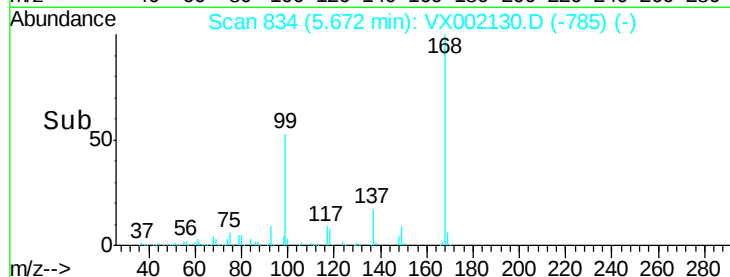
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 4.12 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.02 min

Lab File: VX002130.D

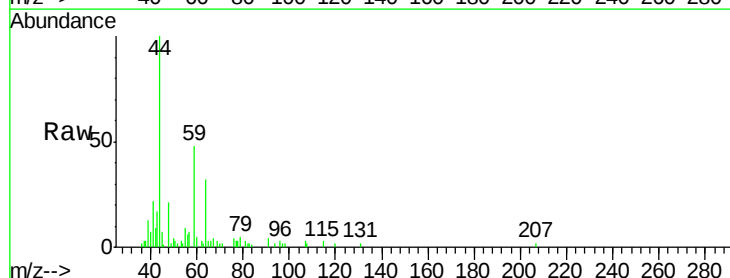
Acq: 30 May 2018 08:39

Tgt Ion: 59 Resp: 4260

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.07

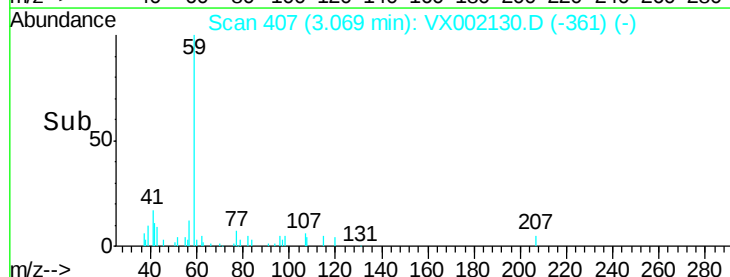
3000

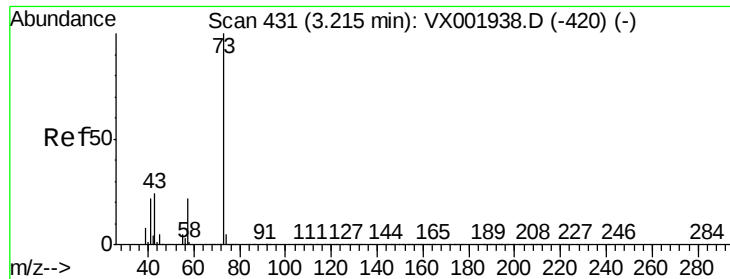
2000

1000

0

Time--> 2.95 3.00 3.05 3.10 3.15





#19

Methyl tert-butyl Ether

Concen: 4.28 ug/l

RT: 3.21 min Scan# 430

Delta R.T. -0.01 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampled :

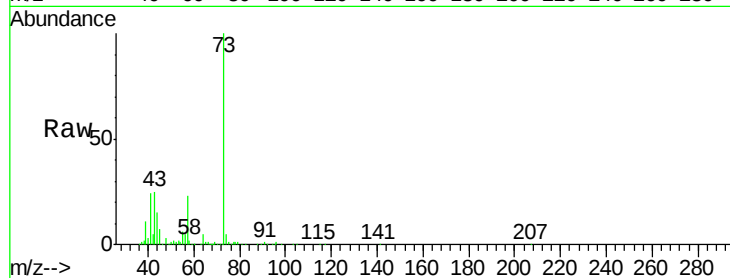
MW-37

Tot Ion: 73 Resp: 55259

Ion Ratio Lower Upper

73 100

57 22.8 17.4 26.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

25000

20000

15000

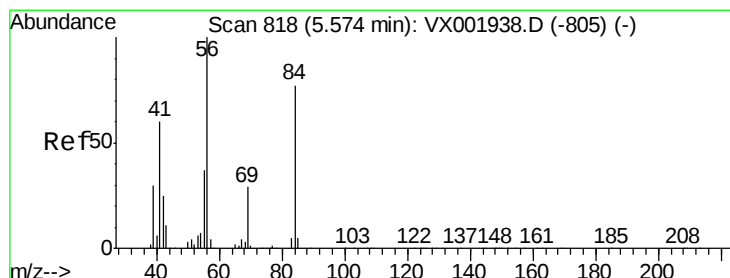
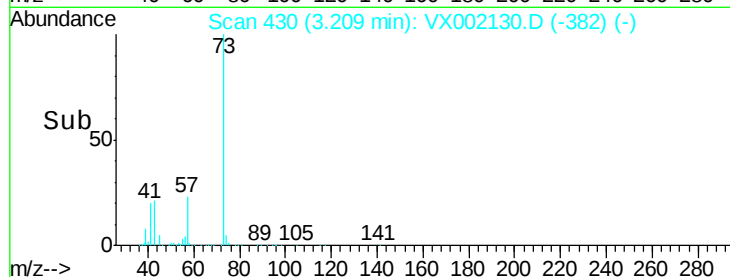
10000

5000

0

3.10 3.20 3.30

Time-->



#31

Cyclohexane

Concen: 4.22 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

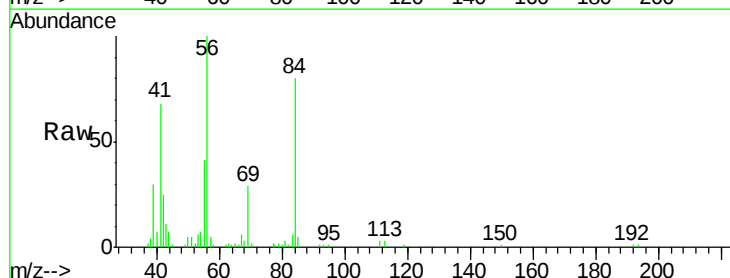
Tgt Ion: 56 Resp: 30623

Ion Ratio Lower Upper

56 100

69 28.3 23.1 34.7

84 79.6 62.0 93.0



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

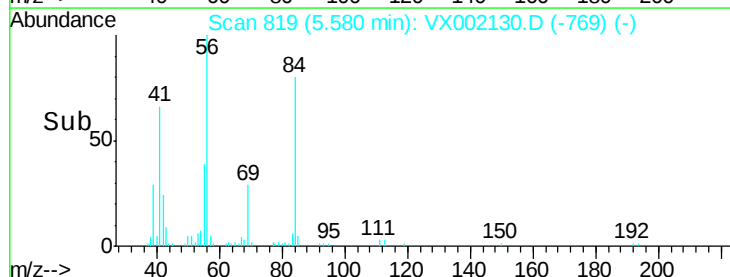
10000

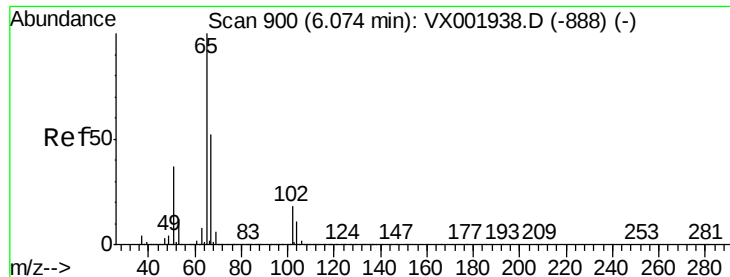
5000

0

5.45 5.50 5.55 5.60 5.65

Time-->

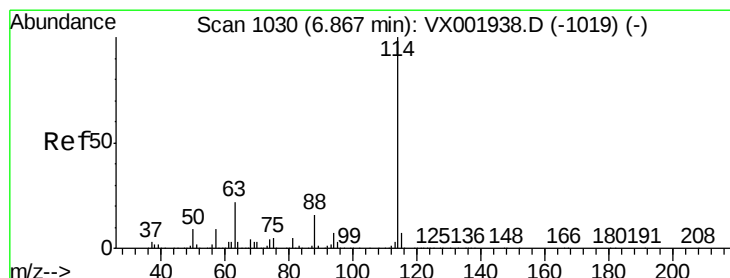
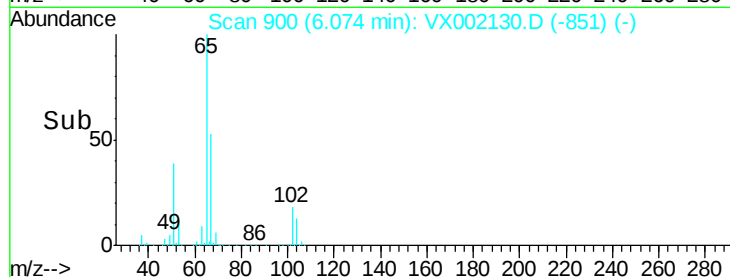
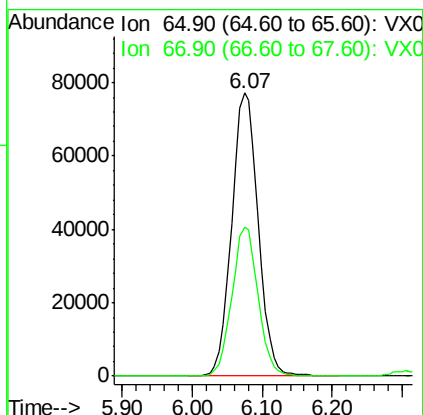
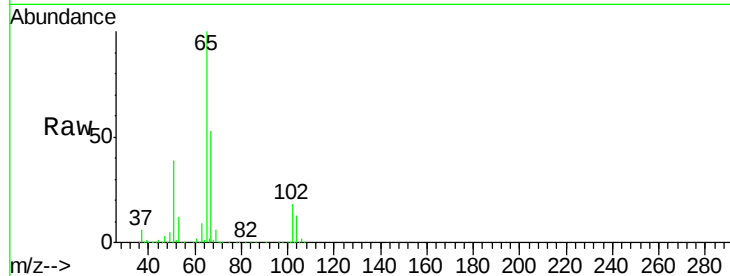




#33
 1,2-Dichloroethane-d4
 Concen: 38.56 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002130.D
 Acq: 30 May 2018 08:39

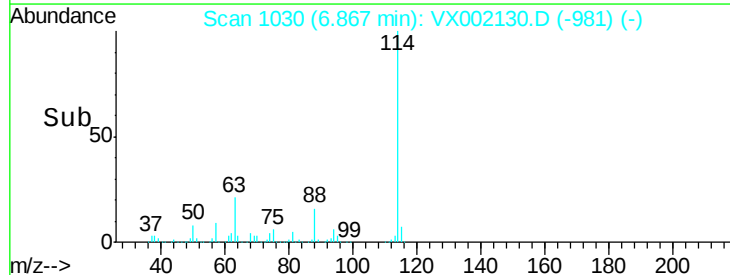
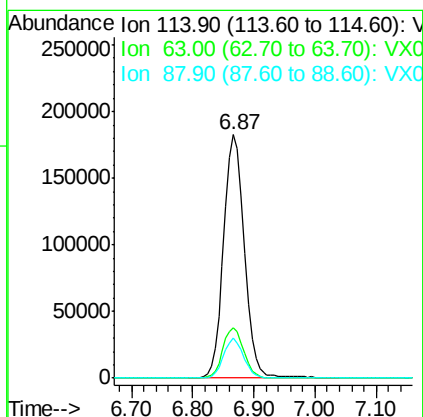
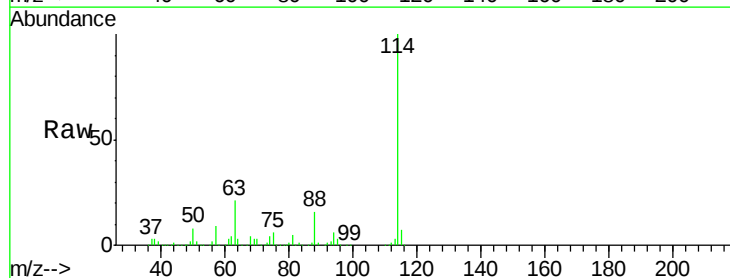
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-37

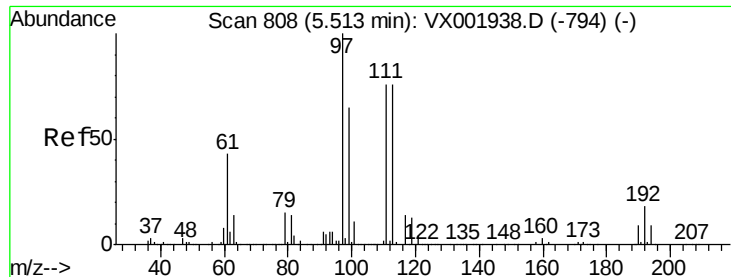
Tot Ion: 65 Resp: 202902
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002130.D
 Acq: 30 May 2018 08:39

Tgt Ion: 114 Resp: 430663
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 35.22 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampleId :

MW-37

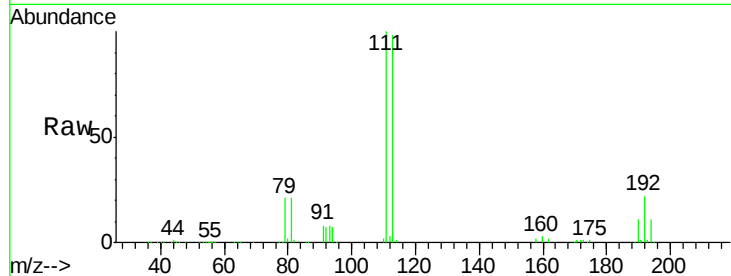
Tot Ion:113 Resp: 151666

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

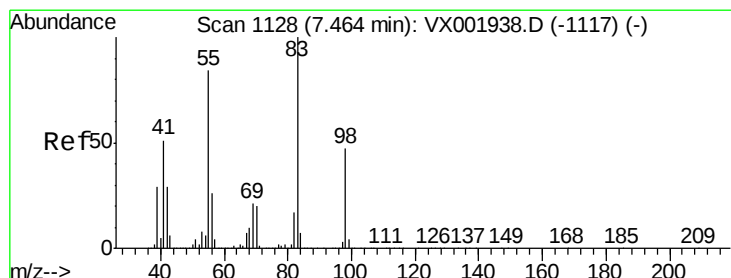
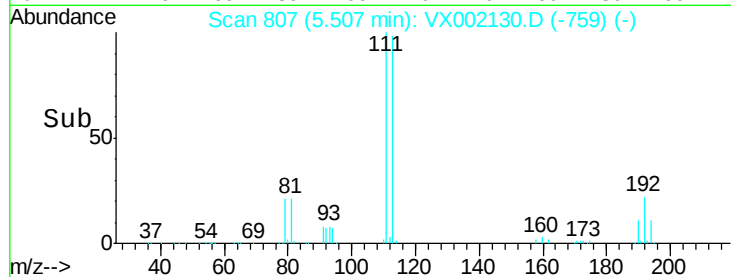
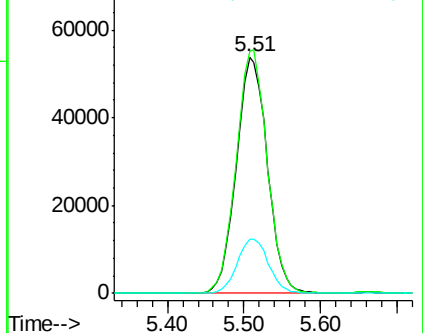
192 23.3 18.9 28.3



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: 7.25 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

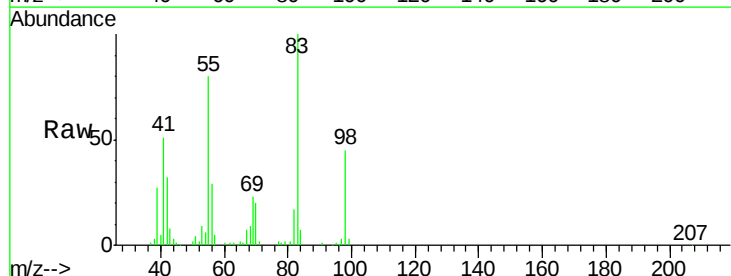
Tgt Ion: 83 Resp: 53349

Ion Ratio Lower Upper

83 100

55 79.8 67.3 100.9

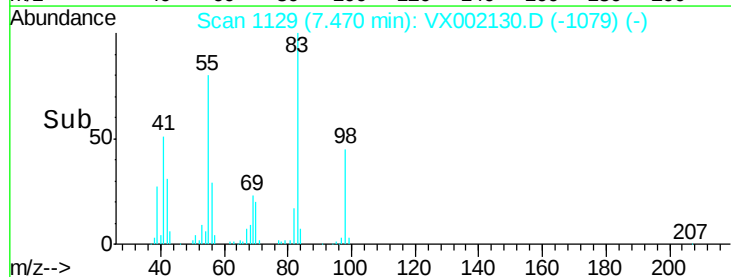
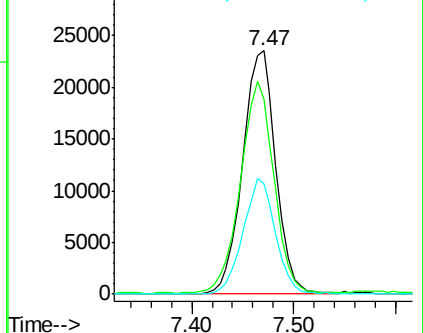
98 45.3 37.5 56.3

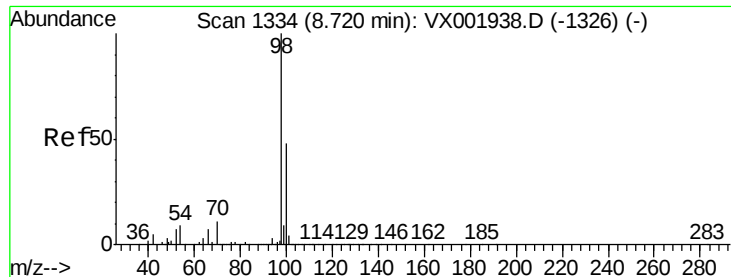


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 39.63 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampleId :

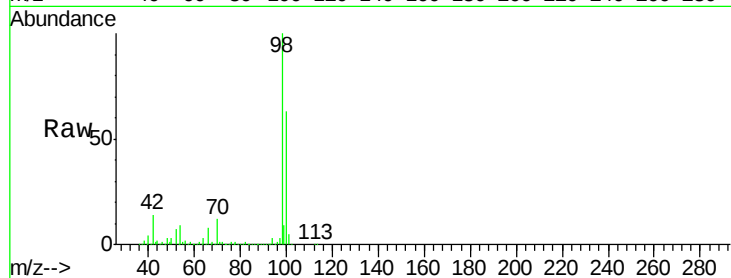
MW-37

Tot Ion: 98 Resp: 617962

Ion Ratio Lower Upper

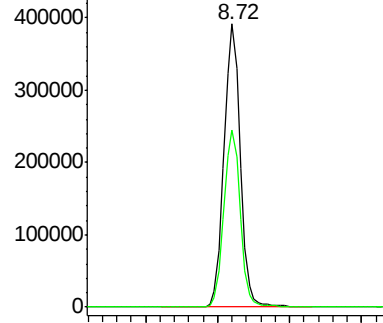
98 100

100 63.2 51.5 77.3

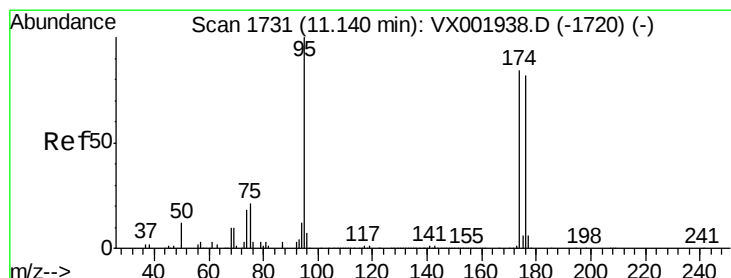
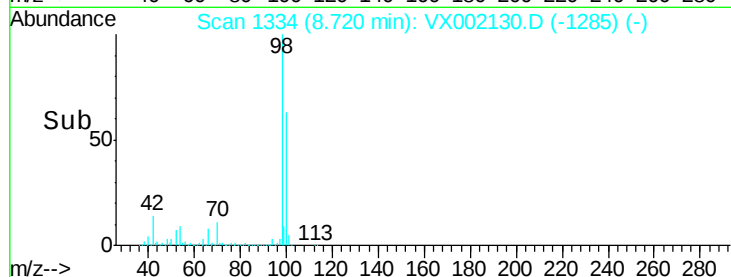


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



Time-->



#62

4-Bromofluorobenzene

Concen: 38.72 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

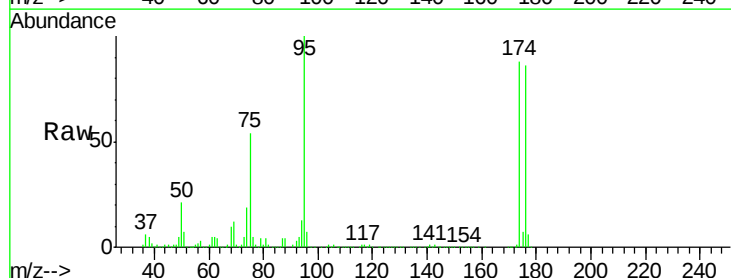
Tgt Ion: 95 Resp: 236226

Ion Ratio Lower Upper

95 100

174 92.0 0.0 178.8

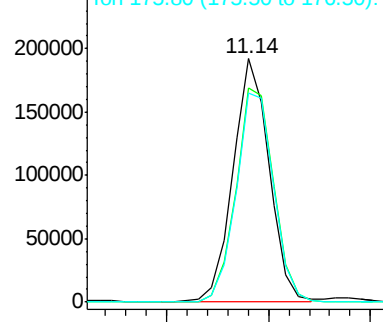
176 90.1 0.0 175.6



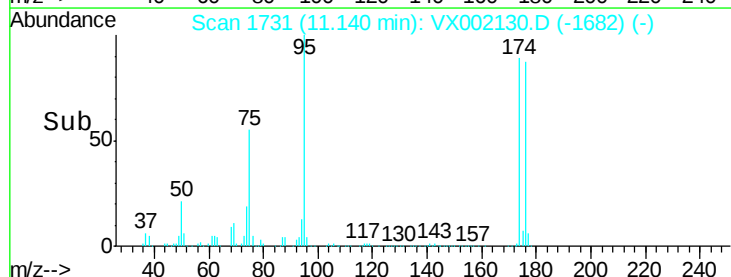
Abundance Ion 94.90 (94.60 to 95.60): VX0

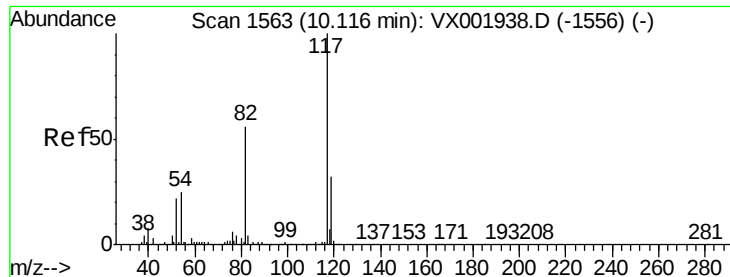
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampleId :

MW-37

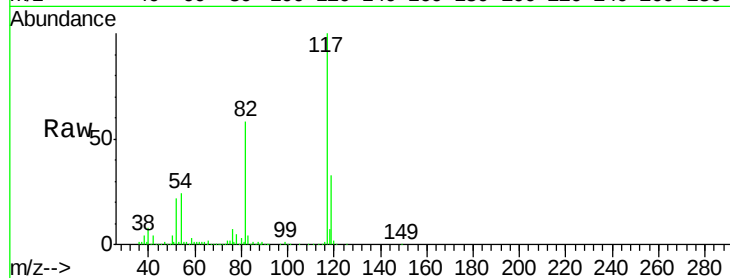
Tot Ion:117 Resp: 401329

Ion Ratio Lower Upper

117 100

82 57.4 44.8 67.2

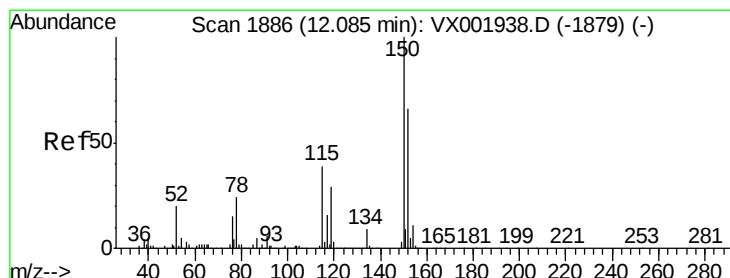
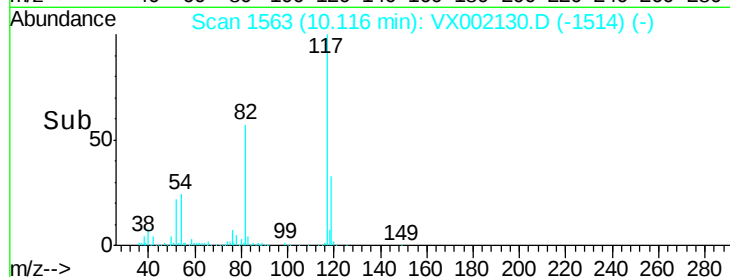
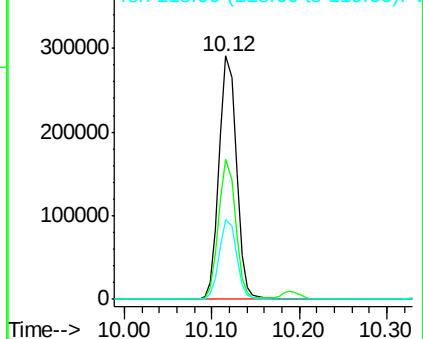
119 32.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

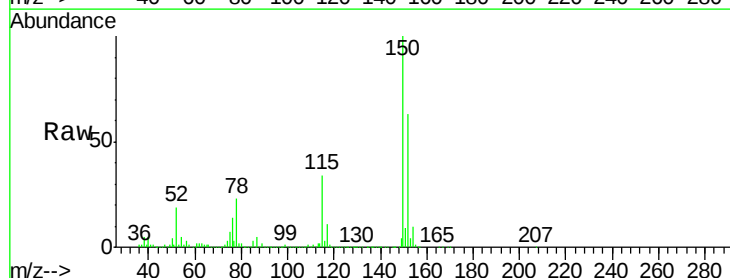
Tgt Ion:152 Resp: 250086

Ion Ratio Lower Upper

152 100

115 56.8 42.3 126.8

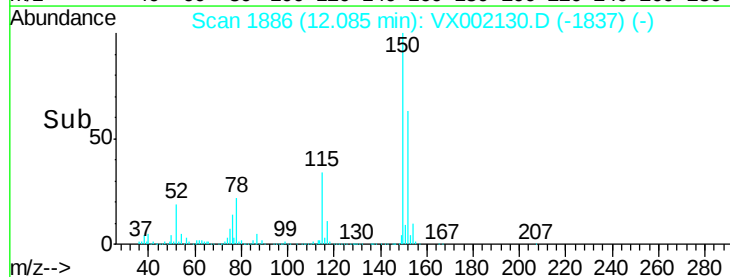
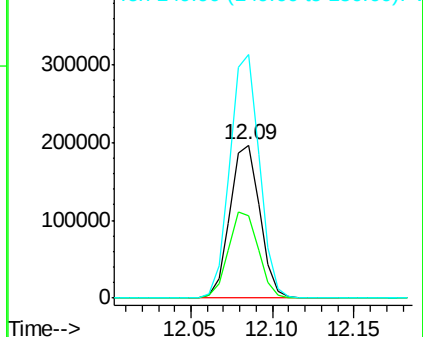
150 157.8 0.0 351.0

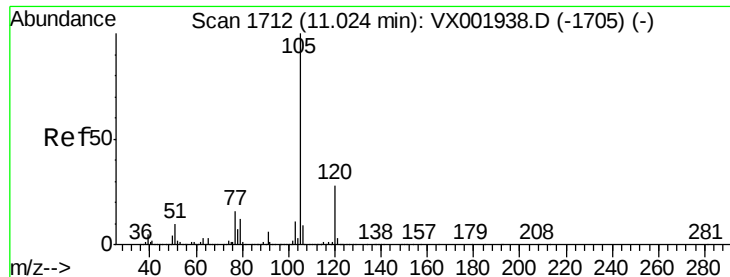


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 15.63 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampleId :

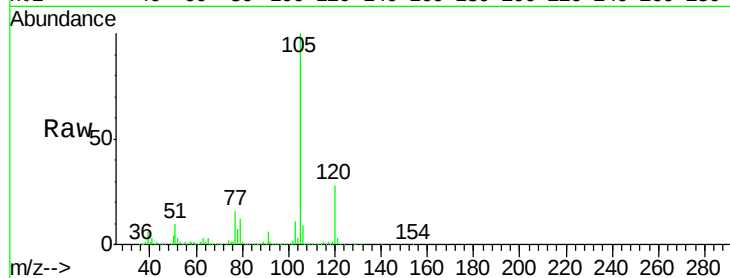
MW-37

Tot Ion:105 Resp: 331066

Ion Ratio Lower Upper

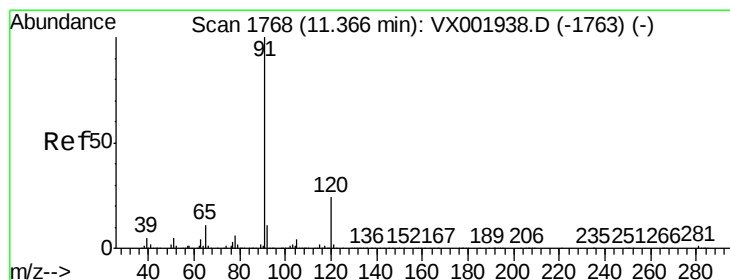
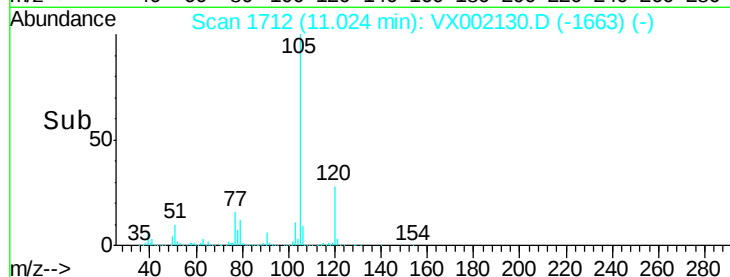
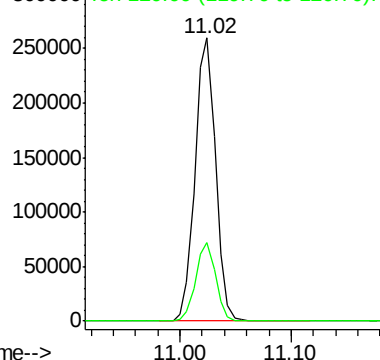
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 22.10 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002130.D

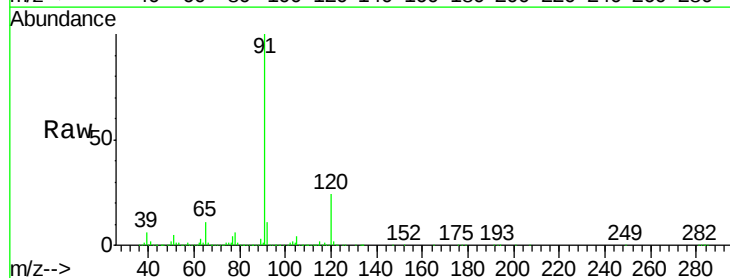
Acq: 30 May 2018 08:39

Tgt Ion: 91 Resp: 524094

Ion Ratio Lower Upper

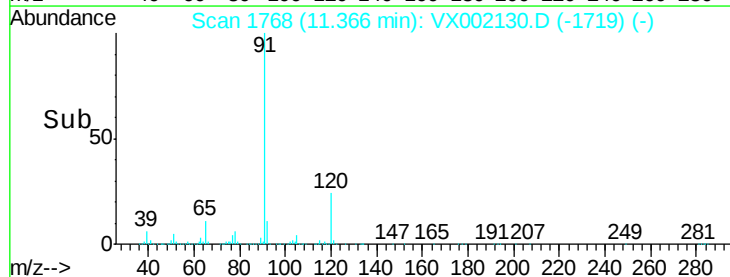
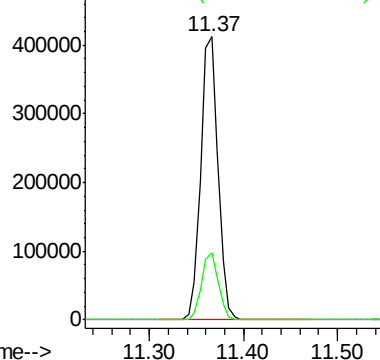
91 100

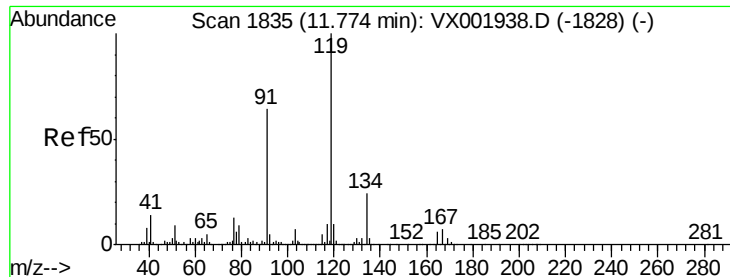
120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

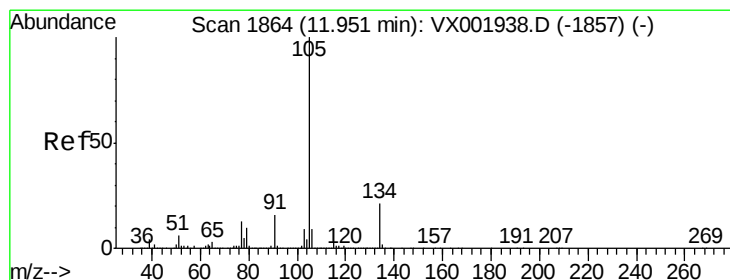
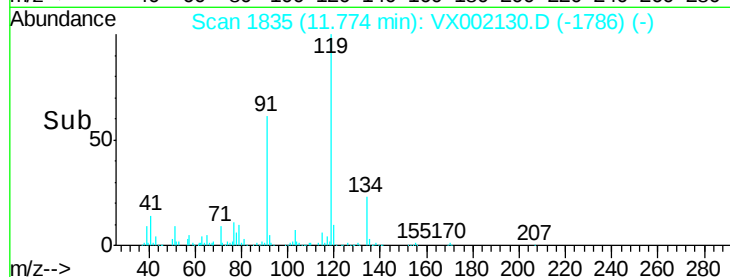
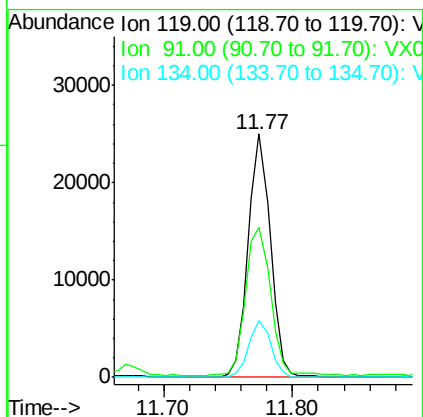
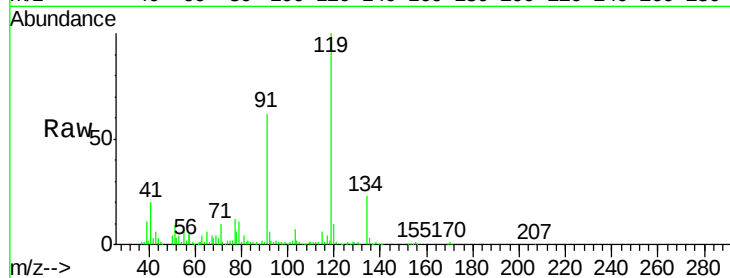




#83
tert-Butylbenzene
Concen: 1.68 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002130.D
Acq: 30 May 2018 08:39

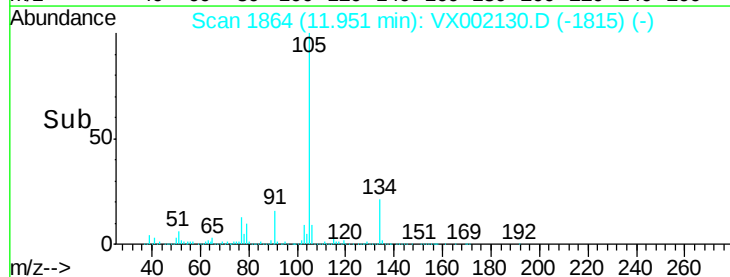
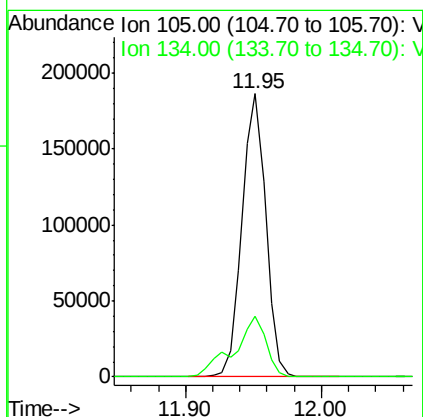
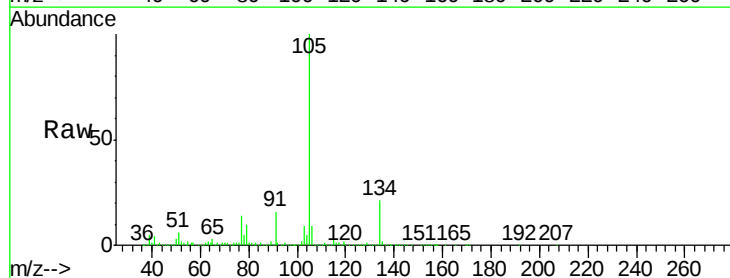
Instrument :
MSVOA_X
ClientSampleId :
MW-37

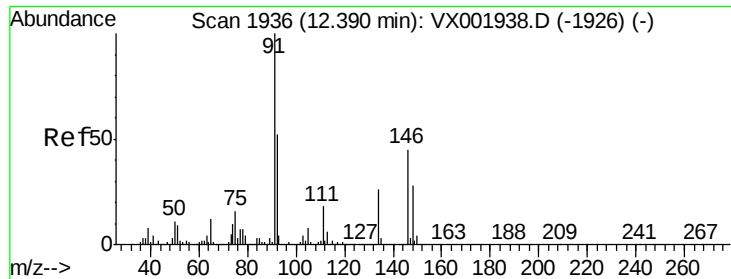
Tot Ion:119 Resp: 29813
Ion Ratio Lower Upper
119 100
91 70.1 30.6 91.8
134 23.4 11.7 35.0



#85
sec-Butylbenzene
Concen: 10.62 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VX002130.D
Acq: 30 May 2018 08:39

Tgt Ion:105 Resp: 226777
Ion Ratio Lower Upper
105 100
134 29.0 10.4 31.4





#89

n-Butylbenzene

Concen: 9.02 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002130.D

Acq: 30 May 2018 08:39

Instrument :

MSVOA_X

ClientSampleId :

MW-37

Tot Ion: 91 Resp: 146015

Ion Ratio Lower Upper

91 100

92 44.8 26.3 78.9

134 45.8 13.6 40.7#

