

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063018\
 Data File : VX003086.D
 Acq On : 30 Jun 2018 18:29
 Operator : JC/MD
 Sample : J3738-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S22-0044

Quant Time: Jul 02 04:01:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	283536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208464	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	182626	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.51	113	150035	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	8.72	98	550238	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
62) 4-Bromofluorobenzene	11.14	95	194267	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

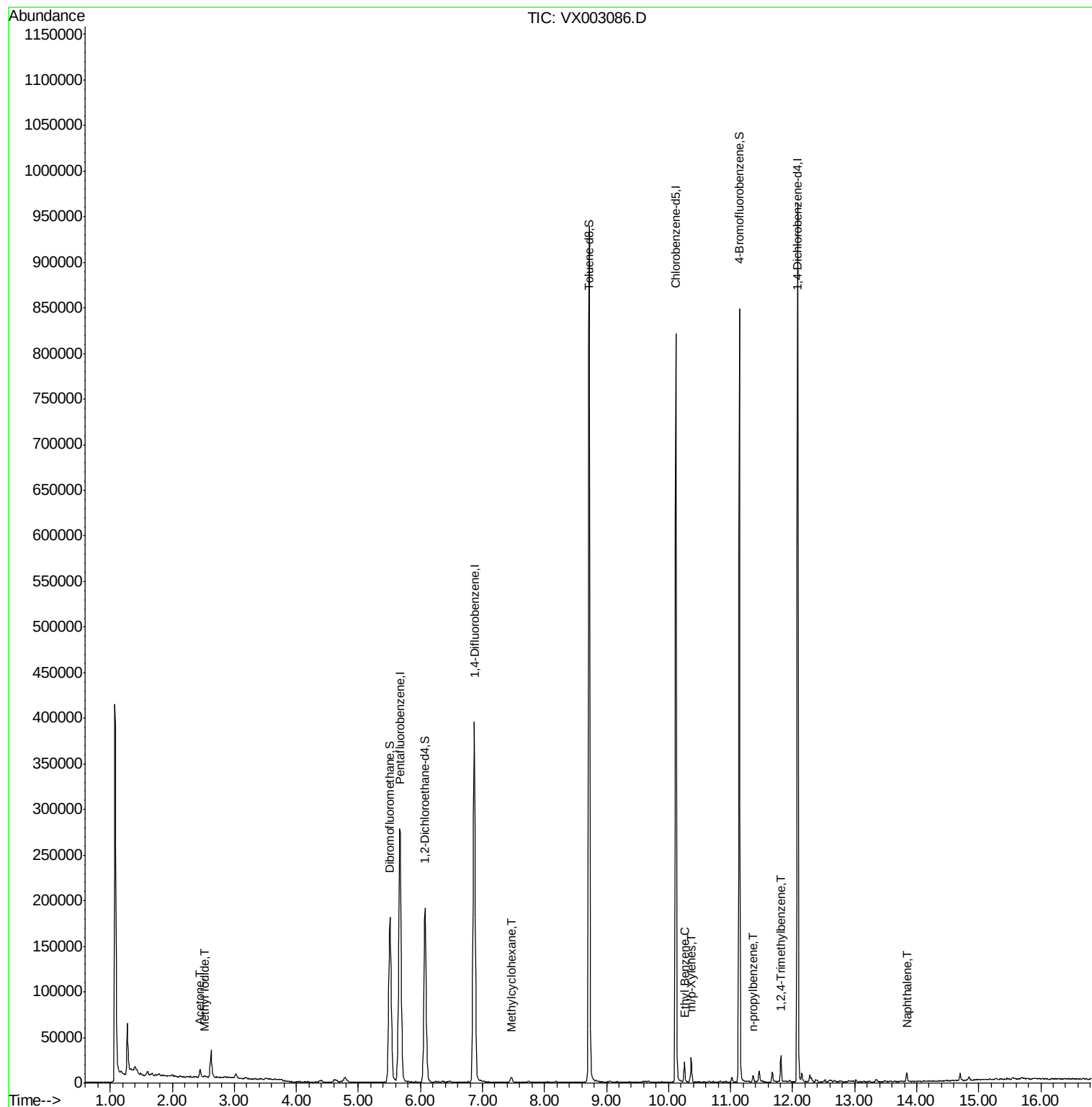
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.52	142	1495	6.64	ug/l	# 94
16) Acetone	2.45	43	9318	5.74	ug/l	91
39) Methylcyclohexane	7.46	83	2159	0.43	ug/l	93
67) Ethyl Benzene	10.26	91	11397	0.74	ug/l	96
68) m/p-Xylenes	10.37	106	6045	1.02	ug/l	98
78) n-propylbenzene	11.37	91	3972	0.25	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	11752	0.96	ug/l	99
95) Naphthalene	13.84	128	6479	0.45	ug/l	98

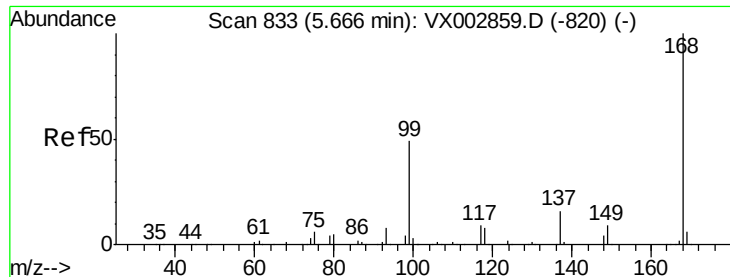
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

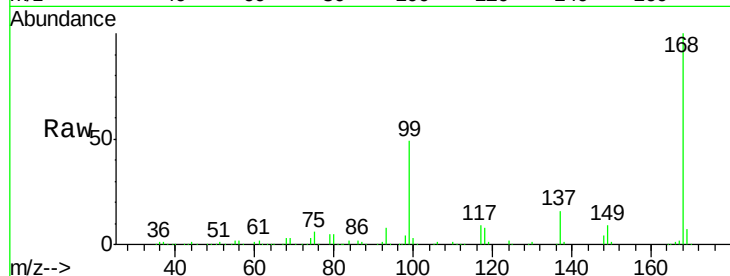
S22-0044

Tot Ion:168 Resp: 283536

Ion Ratio Lower Upper

168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

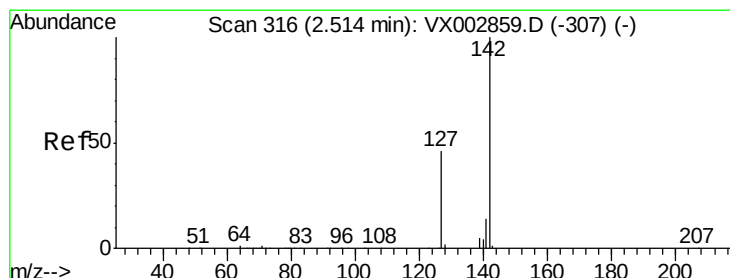
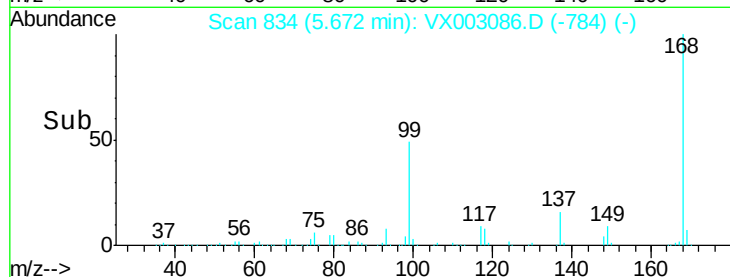
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.64 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

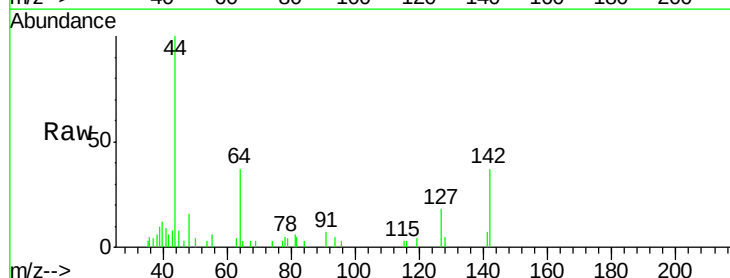
Tgt Ion:142 Resp: 1495

Ion Ratio Lower Upper

142 100

127 46.6 36.6 55.0

141 23.3 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.52

1000

800

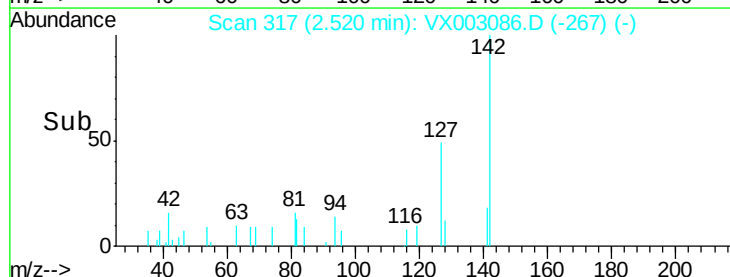
600

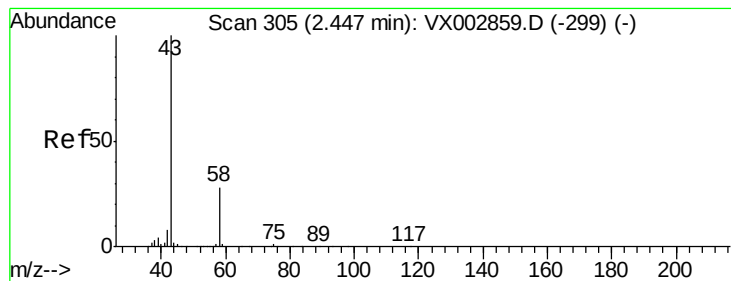
400

200

0

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 5.74 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampled :

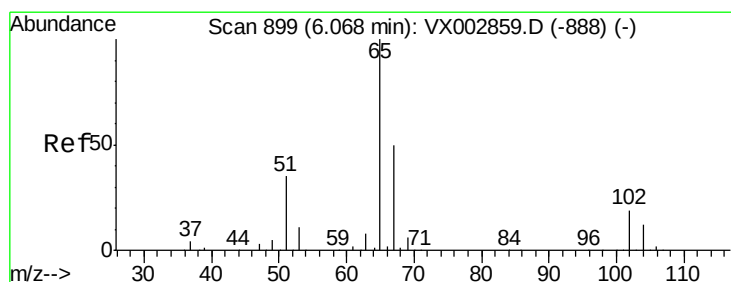
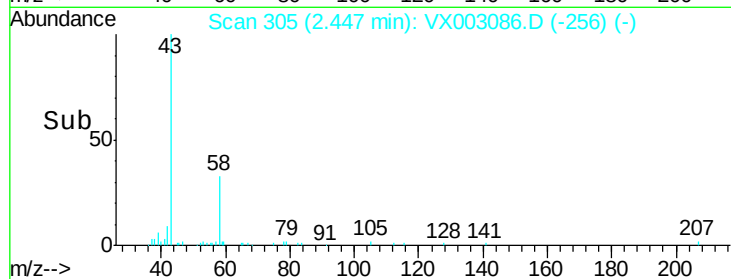
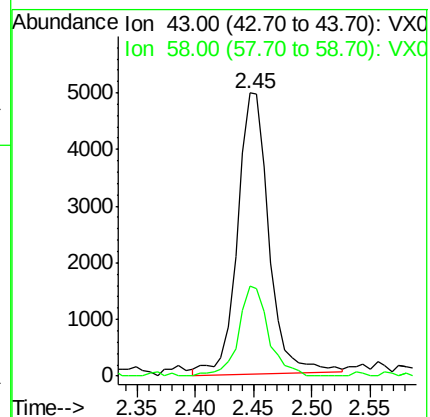
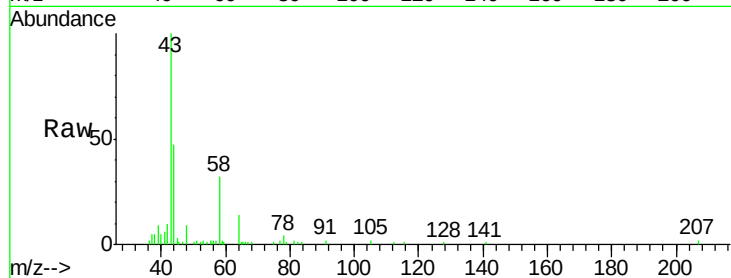
S22-0044

Tot Ion: 43 Resp: 9318

Ion Ratio Lower Upper

43 100

58 32.3 22.1 33.1



#33

1,2-Dichloroethane-d4

Concen: 46.60 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003086.D

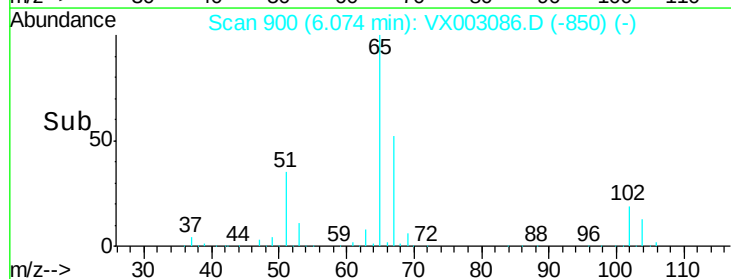
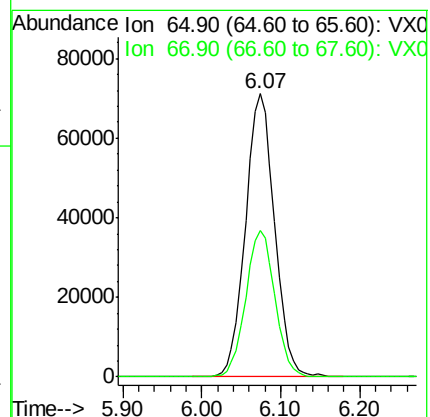
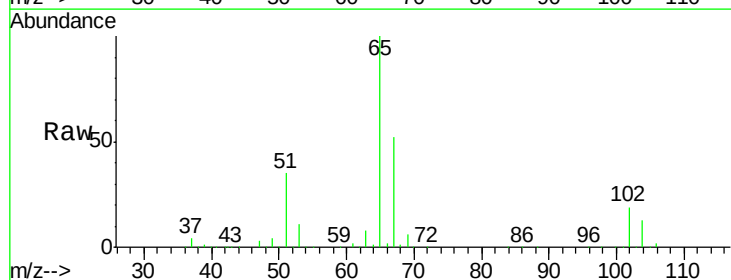
Acq: 30 Jun 2018 18:29

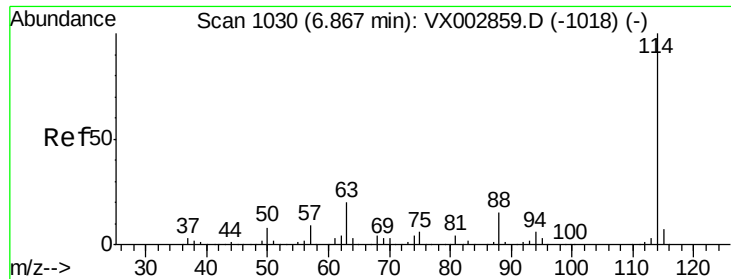
Tgt Ion: 65 Resp: 182626

Ion Ratio Lower Upper

65 100

67 51.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

S22-0044

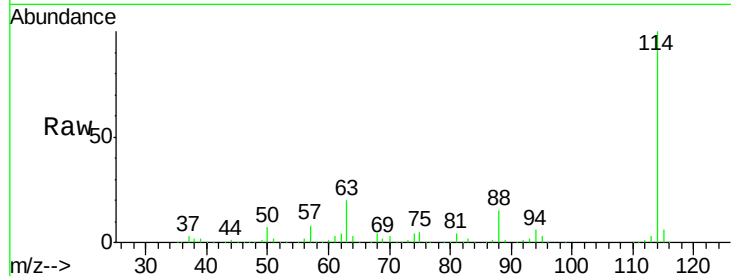
Tot Ion:114 Resp: 395195

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.4

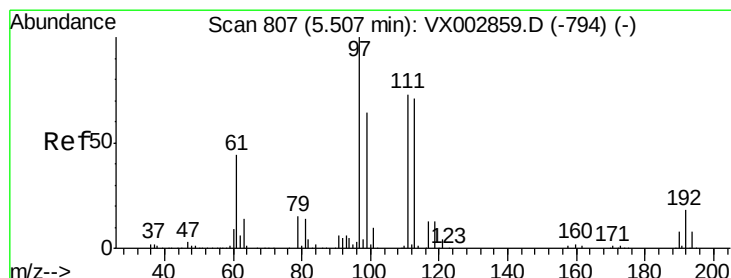
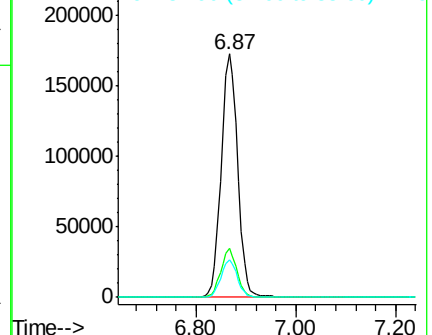
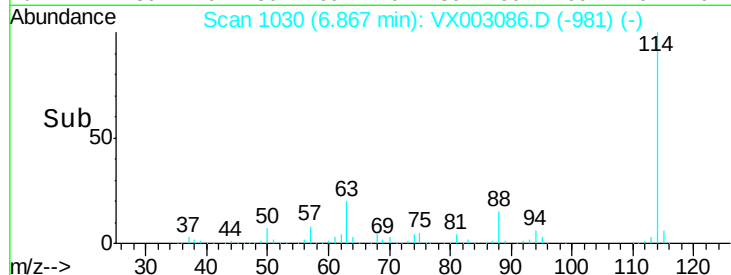
88 15.4 0.0 30.0



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: 47.94 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

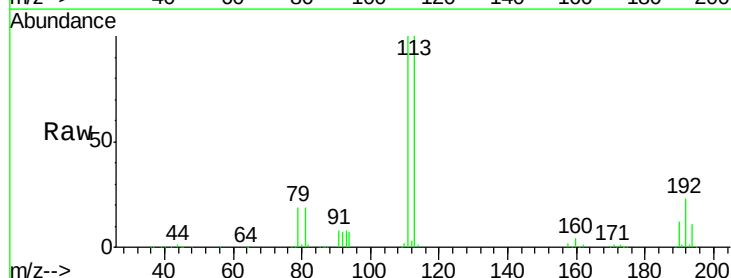
Tgt Ion:113 Resp: 150035

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

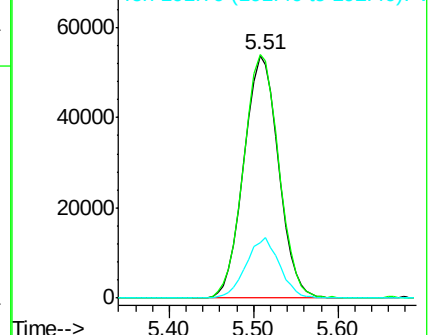
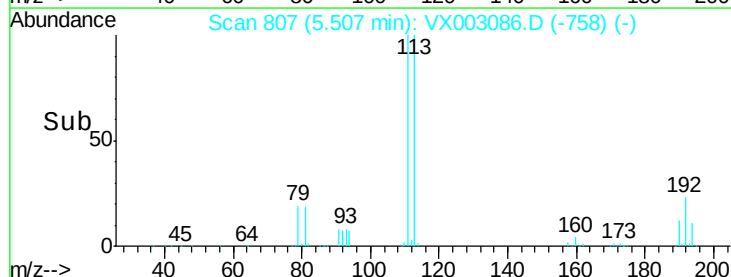
192 24.0 19.1 28.7

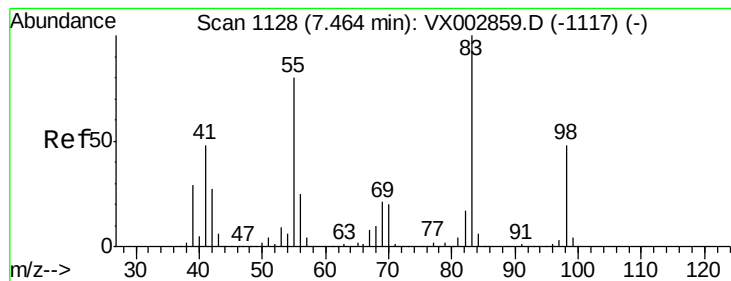


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methylvlcyclohexane

Concen: 0.43 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

S22-0044

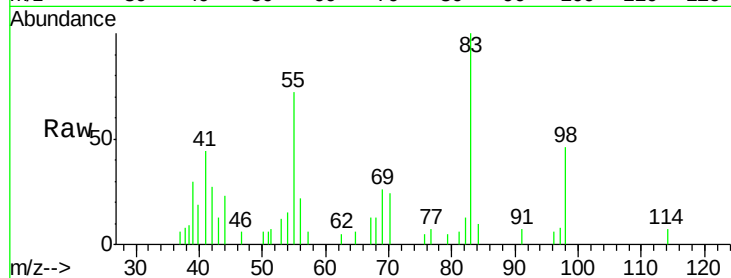
Tot Ion: 83 Resp: 2159

Ion Ratio Lower Upper

83 100

55 72.1 65.4 98.0

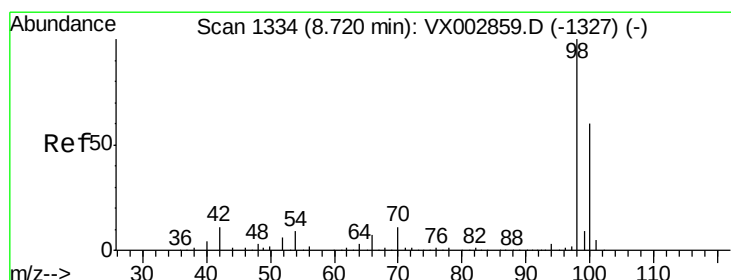
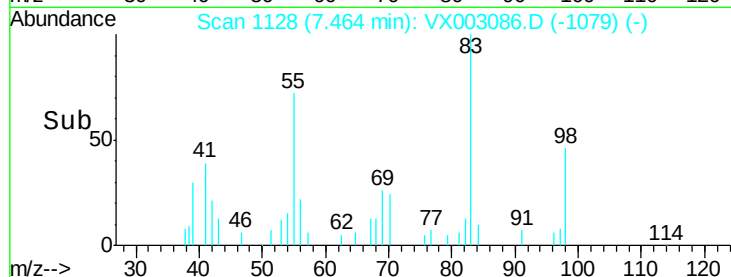
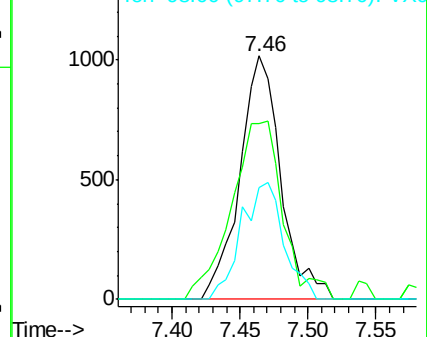
98 45.8 37.4 56.0



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: 48.15 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003086.D

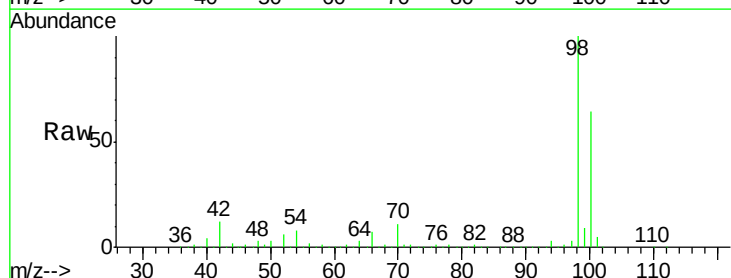
Acq: 30 Jun 2018 18:29

Tgt Ion: 98 Resp: 550238

Ion Ratio Lower Upper

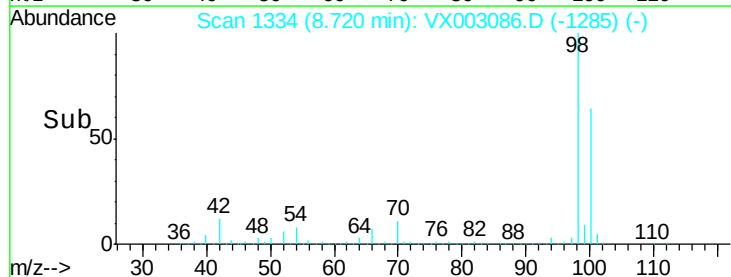
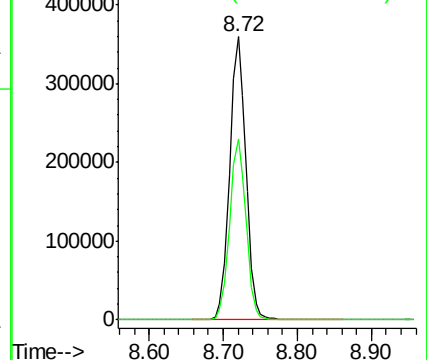
98 100

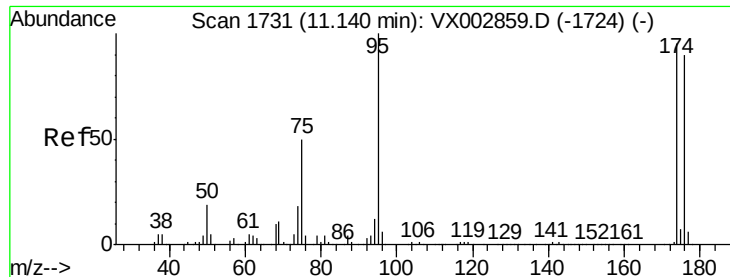
100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

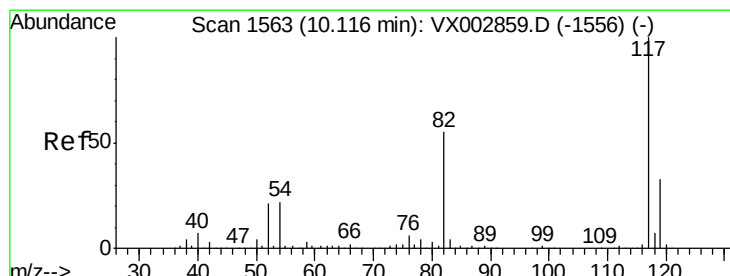
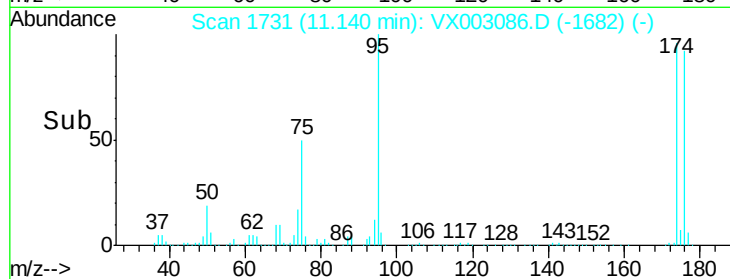
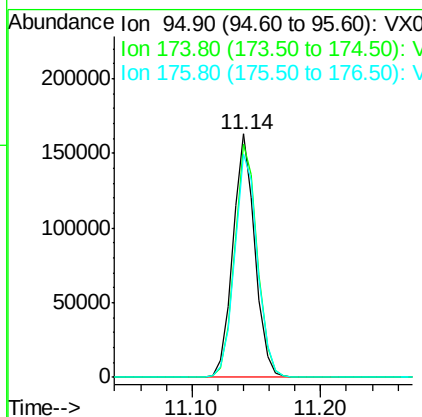
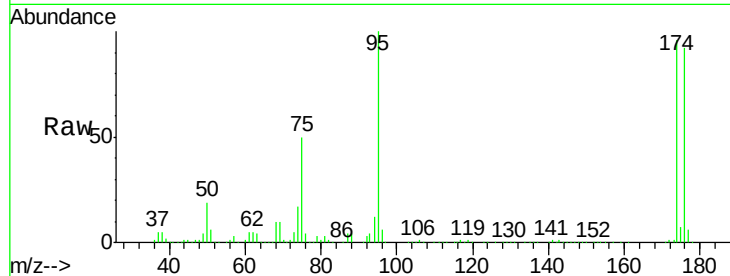




#62
4-Bromofluorobenzene
Concen: 44.08 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

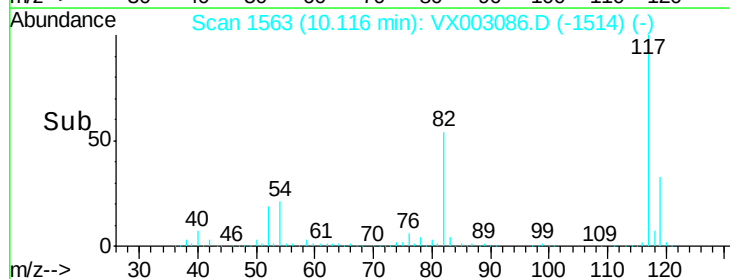
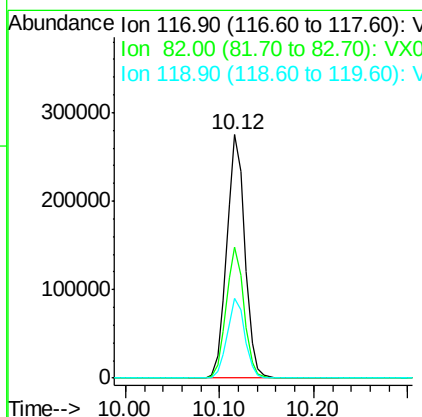
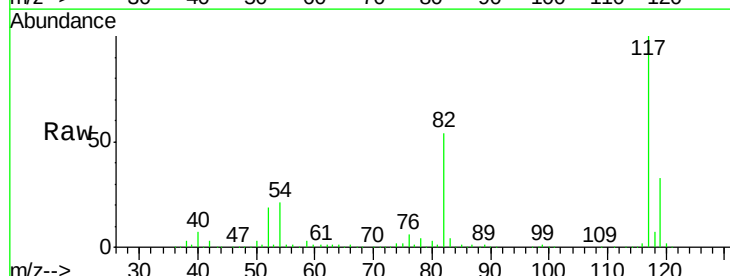
Instrument :
MSVOA_X
ClientSampled :
S22-0044

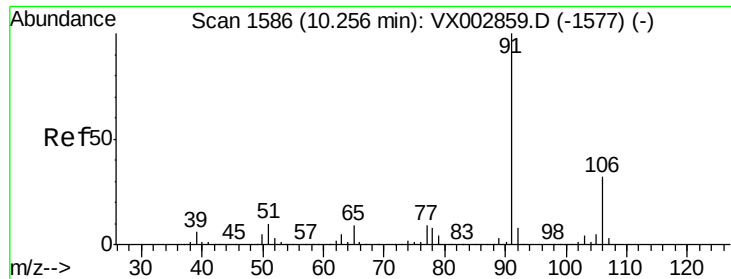
Tot Ion: 95 Resp: 194267
Ion Ratio Lower Upper
95 100
174 98.8 0.0 187.4
176 95.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion: 117 Resp: 365387
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.7 25.8 38.6

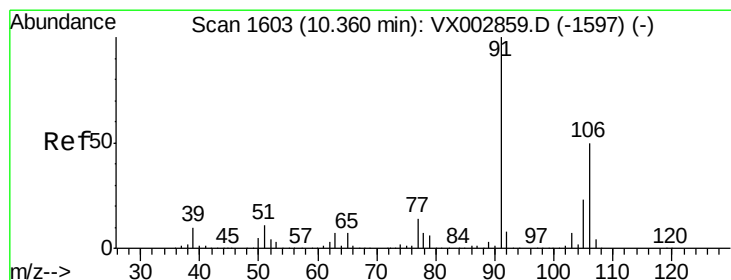
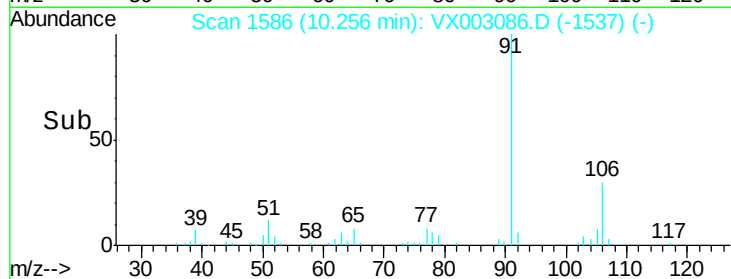
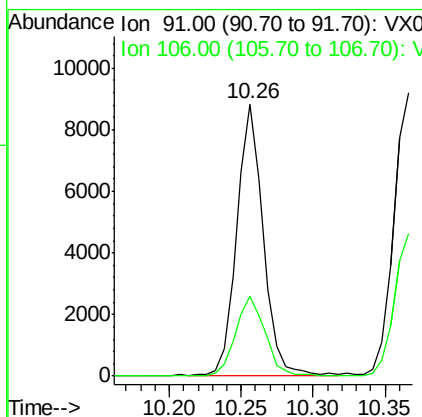
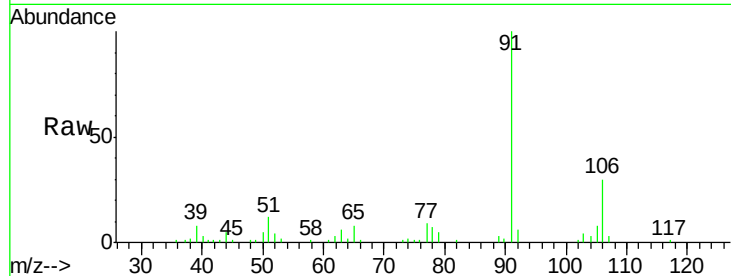




#67
Ethyl Benzene
Concen: 0.74 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

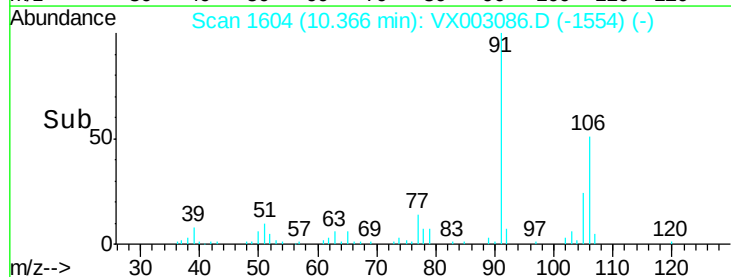
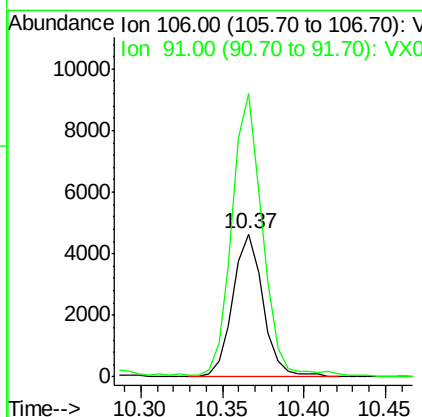
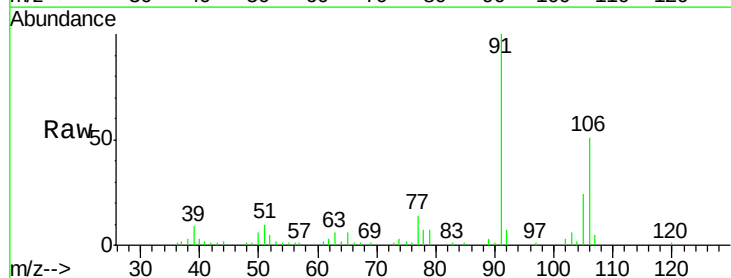
Instrument :
MSVOA_X
ClientSampled :
S22-0044

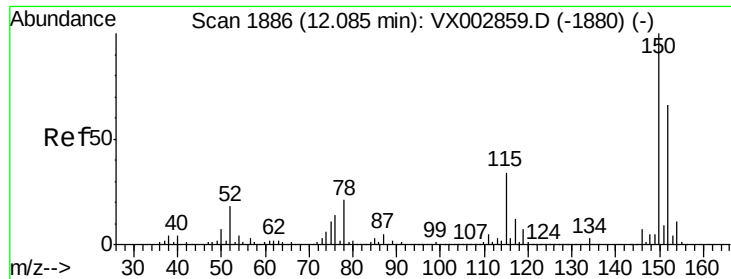
Tot Ion: 91 Resp: 11397
Ion Ratio Lower Upper
91 100
106 29.6 25.5 38.3



#68
m/p-Xylenes
Concen: 1.02 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion: 106 Resp: 6045
Ion Ratio Lower Upper
106 100
91 201.0 163.4 245.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003086.D

Acq: 30 Jun 2018 18:29

Instrument :

MSVOA_X

ClientSampleId :

S22-0044

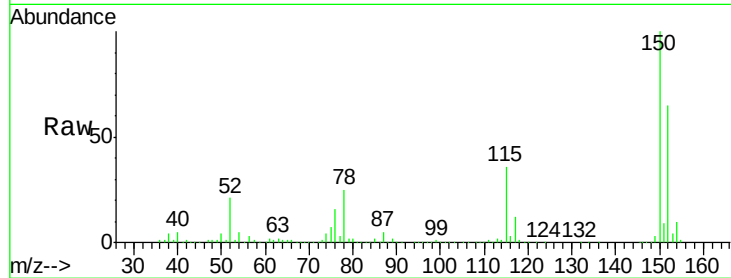
Tot Ion:152 Resp: 208464

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

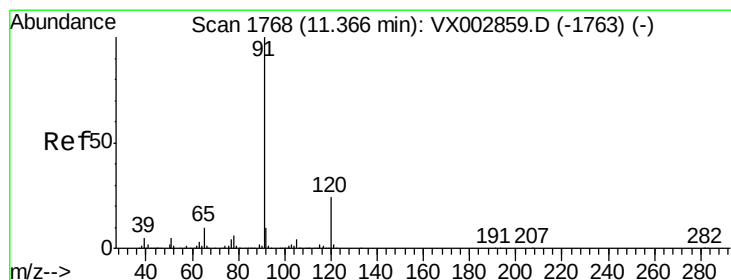
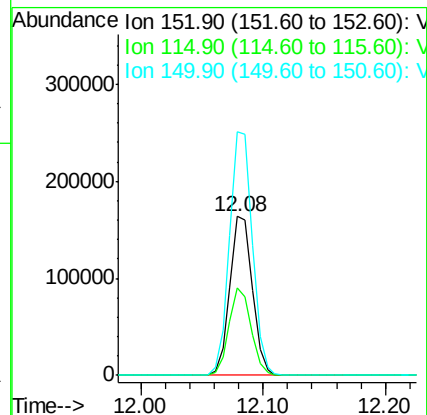
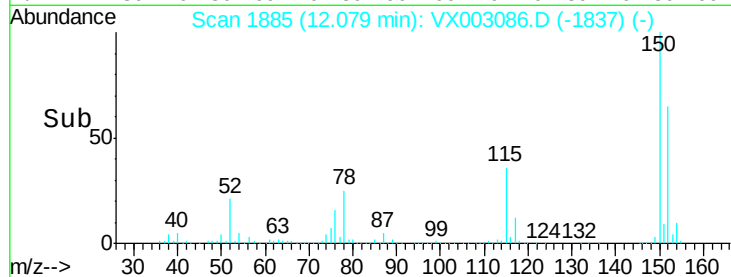
150 155.5 0.0 347.2



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



#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX003086.D

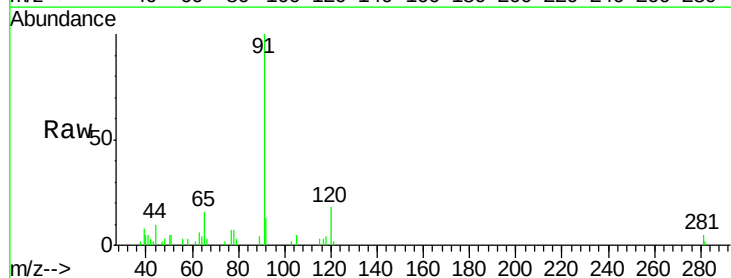
Acq: 30 Jun 2018 18:29

Tgt Ion: 91 Resp: 3972

Ion Ratio Lower Upper

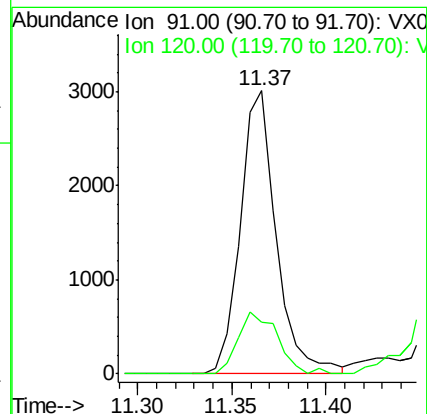
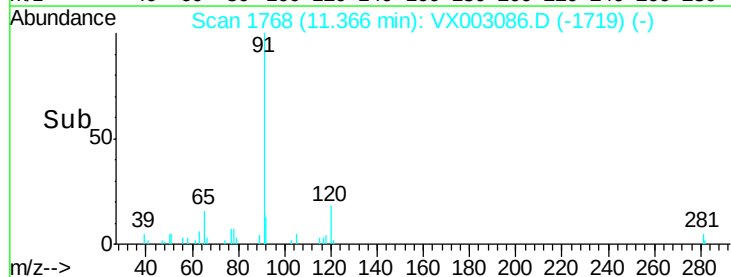
91 100

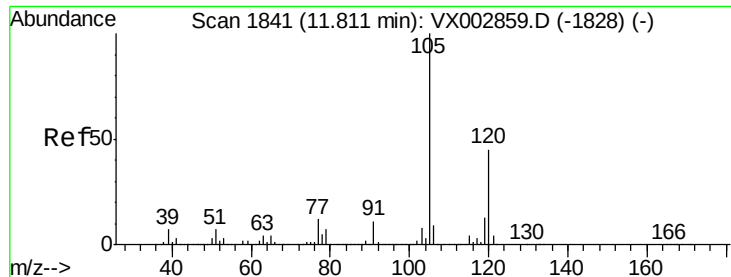
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

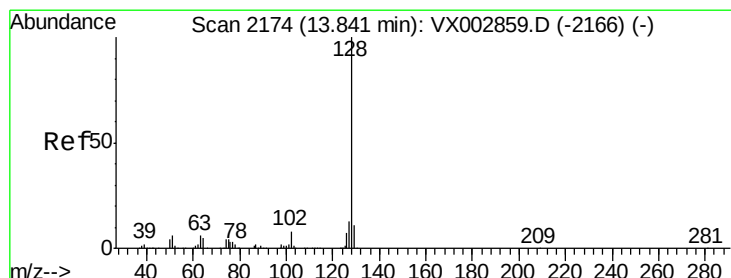
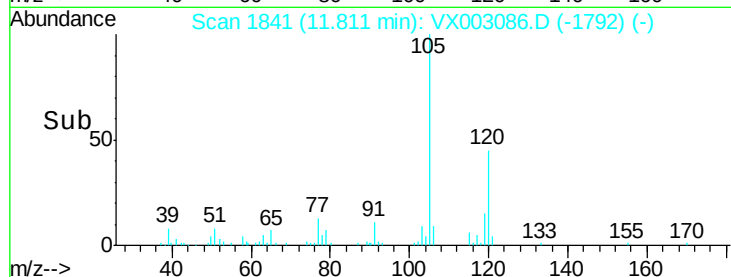
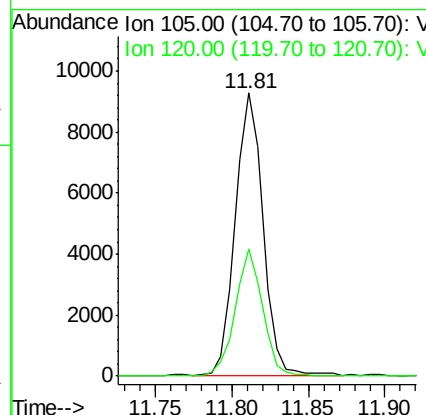
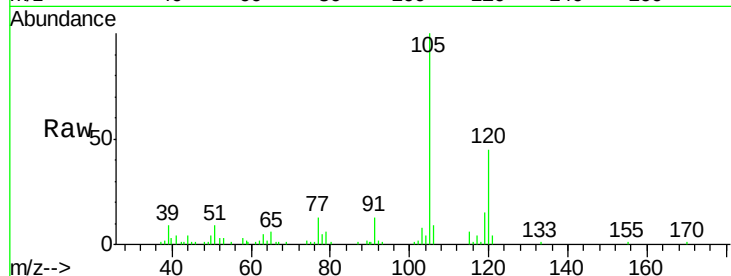




#84
1,2,4-Trimethylbenzene
Concen: 0.96 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Instrument :
MSVOA_X
ClientSampled :
S22-0044

Tot Ion:105 Resp: 11752
Ion Ratio Lower Upper
105 100
120 44.1 22.3 66.8



#95
Naphthalene
Concen: 0.45 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003086.D
Acq: 30 Jun 2018 18:29

Tgt Ion:128 Resp: 6479
Ion Ratio Lower Upper
128 100
127 14.5 10.4 15.6
129 11.1 8.6 13.0

