

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
 Data File : VF056652.D
 Acq On : 23 Feb 2018 13:21
 Operator : JC/SY
 Sample : J1634-01
 Misc : 6.57g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 RO-72-11931

Quant Time: Feb 24 00:57:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 21 08:56:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.79	168	367658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.52	114	605257	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.69	117	430816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	220240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.76	65	219792	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
35) Dibromofluoromethane	4.03	113	221828	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
50) Toluene-d8	7.48	98	548415	40.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.38%	
62) 4-Bromofluorobenzene	11.34	95	349851	56.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.74%	

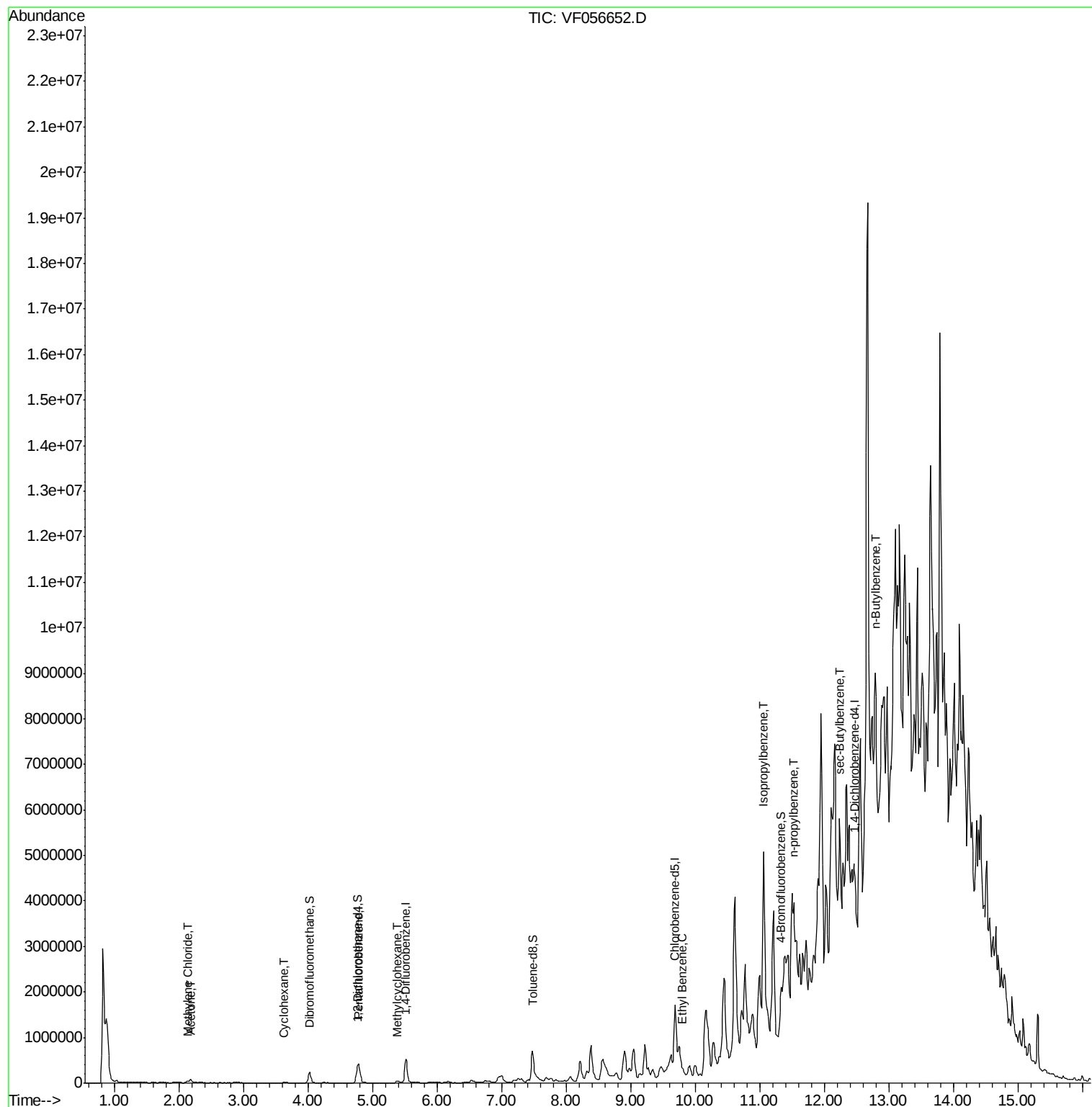
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.18	43	91498	69.95	ug/l	100
20) Methylene Chloride	2.13	84	21541	8.65	ug/l	96
31) Cyclohexane	3.64	56	10913	2.00	ug/l	85
39) Methylcyclohexane	5.39	83	28884	4.69	ug/l #	83
67) Ethyl Benzene	9.81	91	16303	1.13	ug/l	97
73) Isopropylbenzene	11.06	105	2361052	162.76	ug/l	99
78) n-propylbenzene	11.53	91	1381853	77.32	ug/l	97
85) sec-Butylbenzene	12.25	105	474621	29.62	ug/l #	67
89) n-Butylbenzene	12.78	91	543568	44.31	ug/l	89

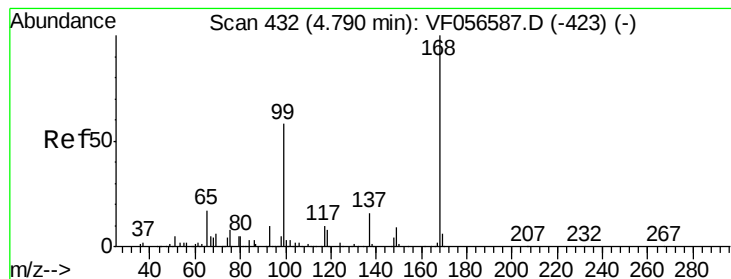
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_F\DATA\VF022318\
Data File : VF056652.D
Acq On : 23 Feb 2018 13:21
Operator : JC/SY
Sample : J1634-01
Misc : 6.57g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

Quant Time: Feb 24 00:57:29 2018
Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F022018S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 21 08:56:21 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.79 min Scan# 431

Delta R.T. -0.00 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

Instrument :

MSVOA_F

ClientSampleId :

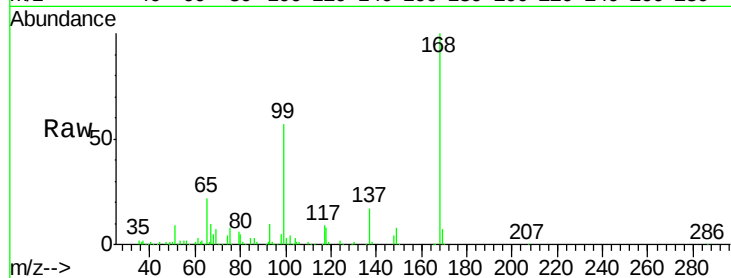
RO-72-11931

Tgt Ion:168 Resp: 367658

Ion Ratio Lower Upper

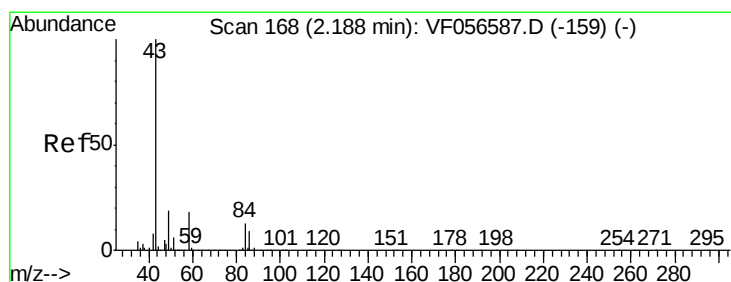
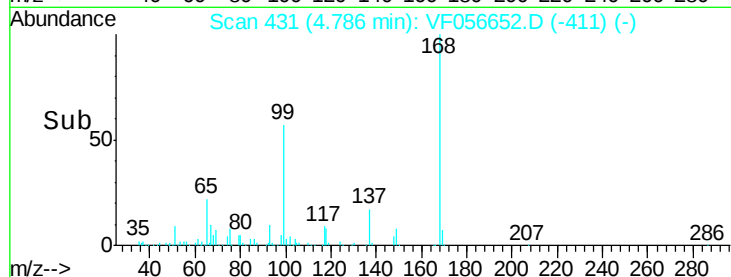
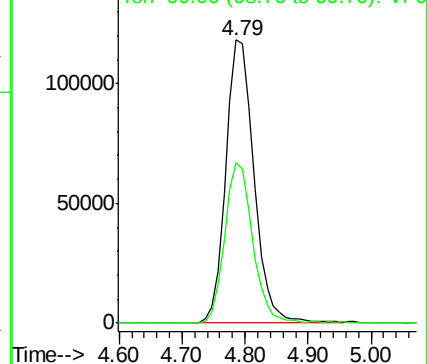
168 100

99 56.9 46.2 69.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 69.95 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF056652.D

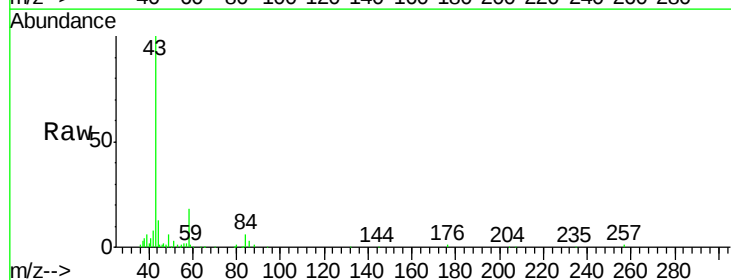
Acq: 23 Feb 2018 13:21

Tgt Ion: 43 Resp: 91498

Ion Ratio Lower Upper

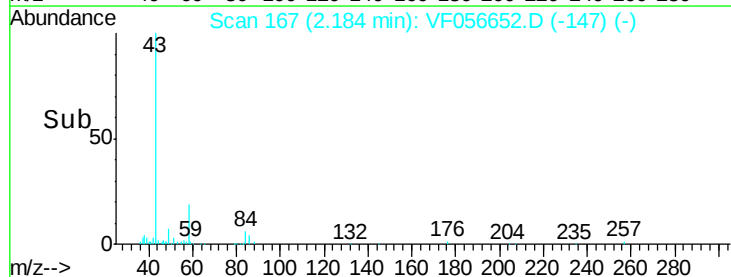
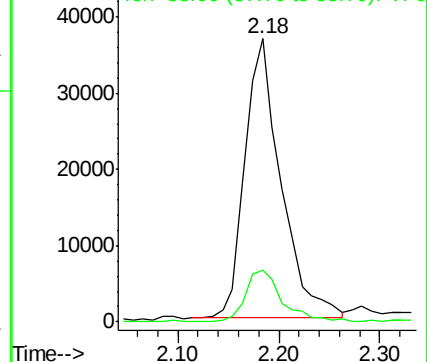
43 100

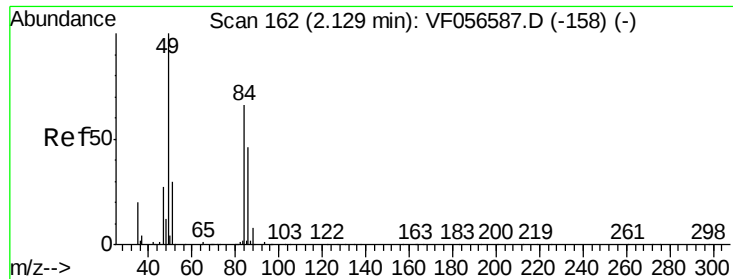
58 18.3 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

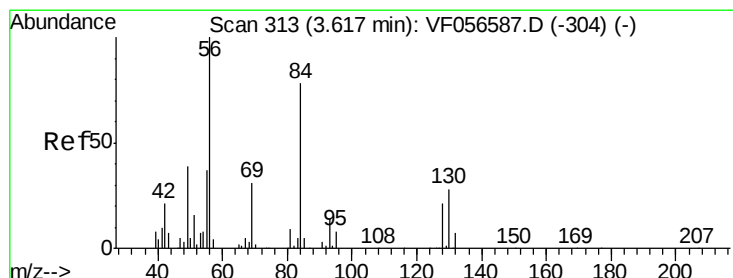
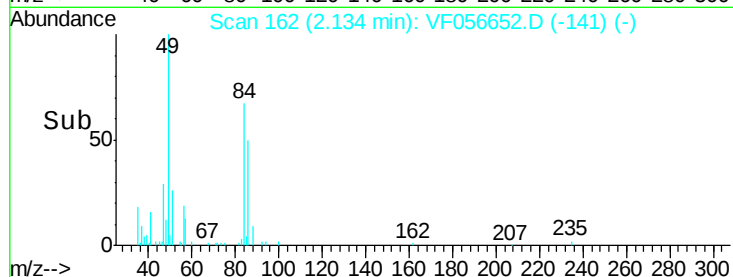
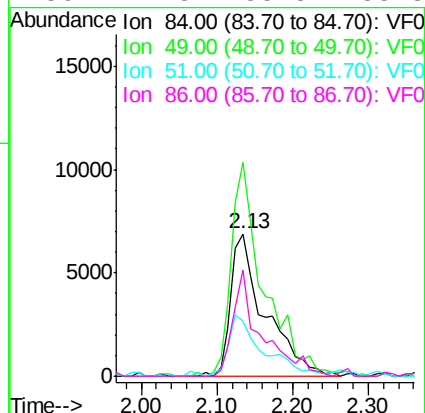
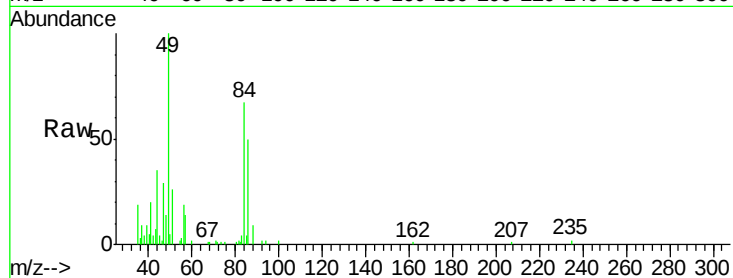




#20
Methylene Chloride
Concen: 8.65 ug/l
RT: 2.13 min Scan# 162
Delta R.T. 0.01 min
Lab File: VF056652.D
Acq: 23 Feb 2018 13:21

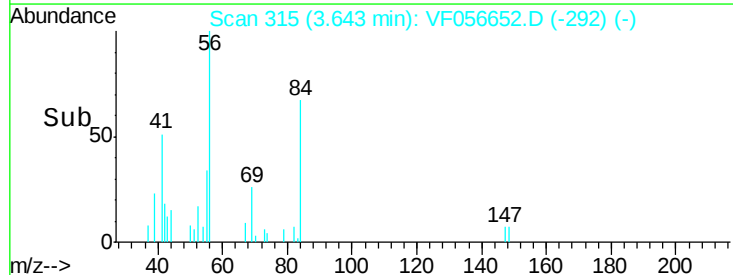
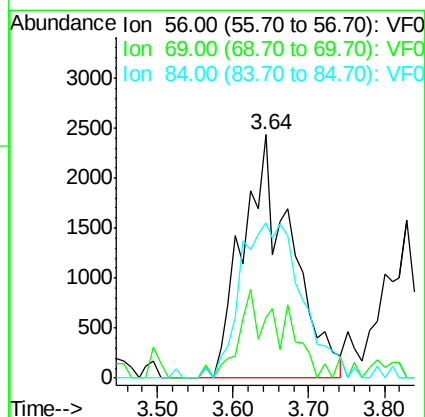
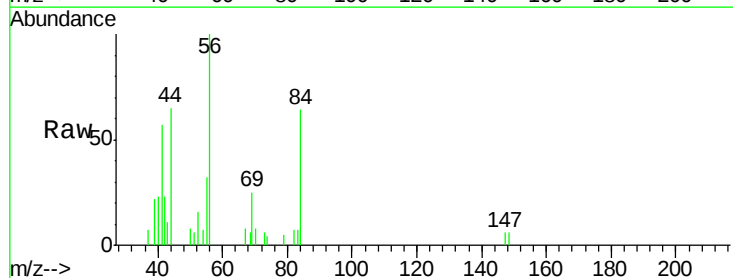
Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

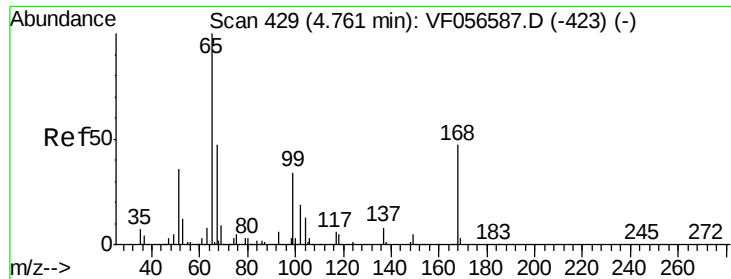
Tgt Ion:	84	Resp:	21541
Ion	Ratio	Lower	Upper
84	100		
49	150.0	121.4	182.0
51	38.8	37.1	55.7
86	74.8	55.5	83.3



#31
Cyclohexane
Concen: 2.00 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.03 min
Lab File: VF056652.D
Acq: 23 Feb 2018 13:21

Tgt Ion:	56	Resp:	10913
Ion	Ratio	Lower	Upper
56	100		
69	24.9	24.7	37.1
84	63.8	62.9	94.3

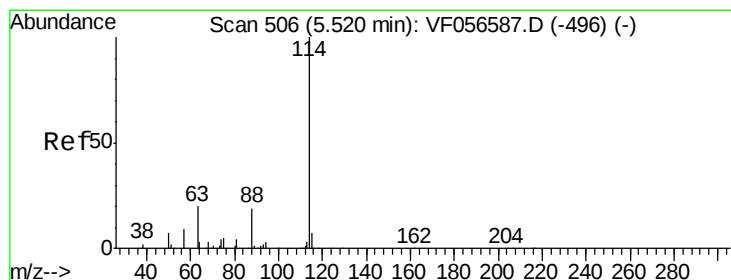
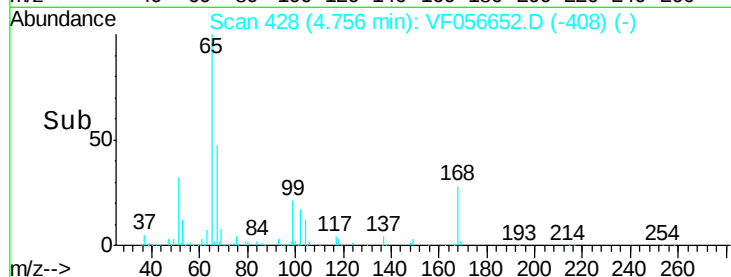
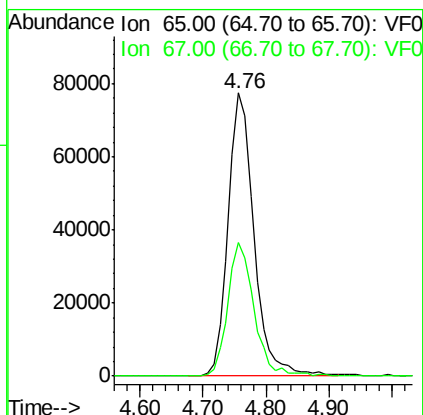
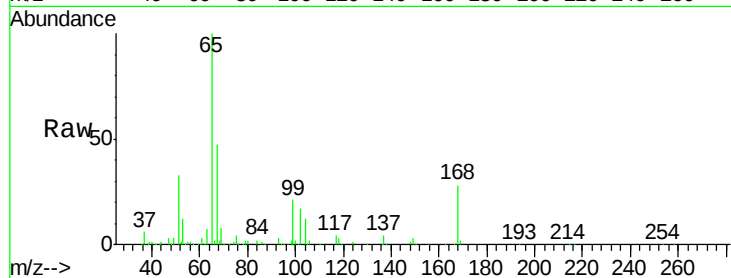




#33
 1,2-Dichloroethane-d4
 Concen: 49.45 ug/l
 RT: 4.76 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF056652.D
 Acq: 23 Feb 2018 13:21

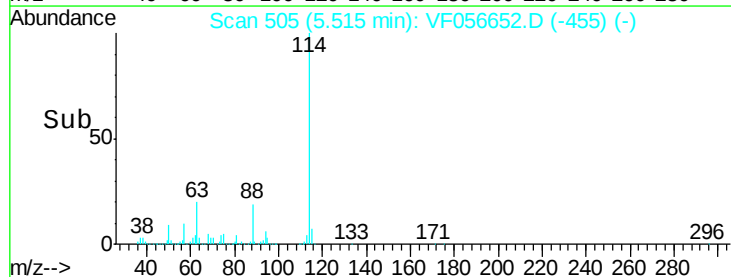
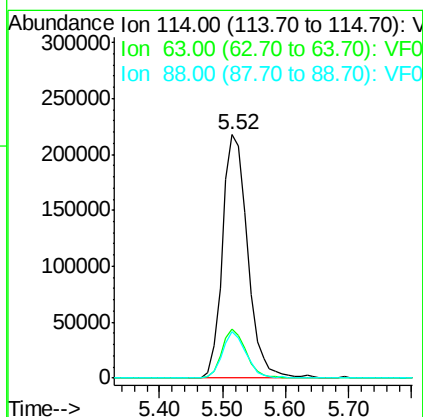
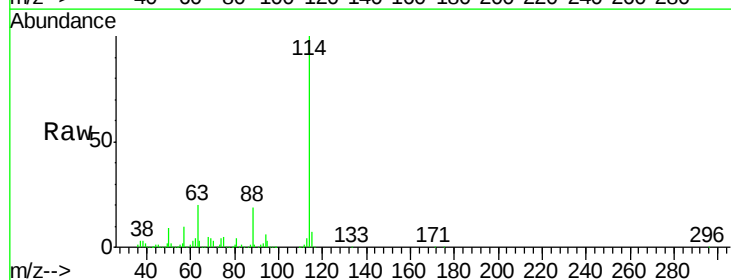
Instrument :
 MSVOA_F
 ClientSampleId :
 RO-72-11931

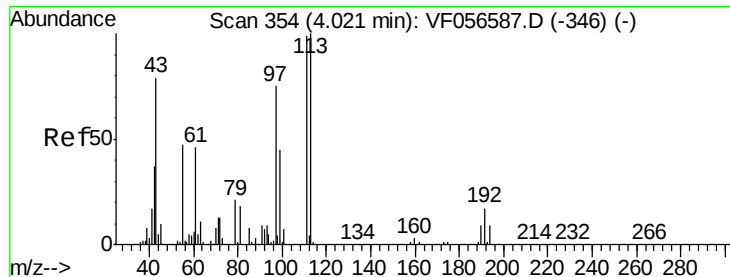
Tgt Ion: 65 Resp: 219792
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VF056652.D
 Acq: 23 Feb 2018 13:21

Tgt Ion: 114 Resp: 605257
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.6
 88 19.2 0.0 37.8





#35

Dibromofluoromethane

Concen: 48.73 ug/l

RT: 4.03 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

Instrument :

MSVOA_F

ClientSampleId :

RO-72-11931

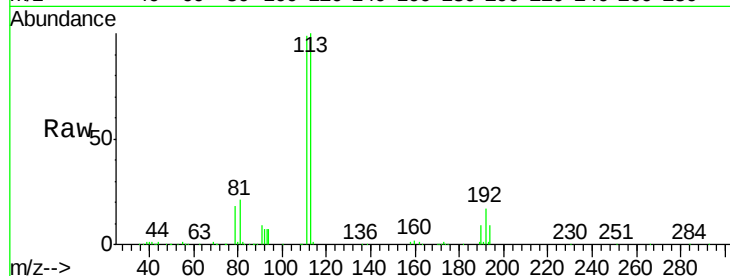
Tgt Ion: 113 Resp: 221828

Ion Ratio Lower Upper

113 100

111 99.0 79.1 118.7

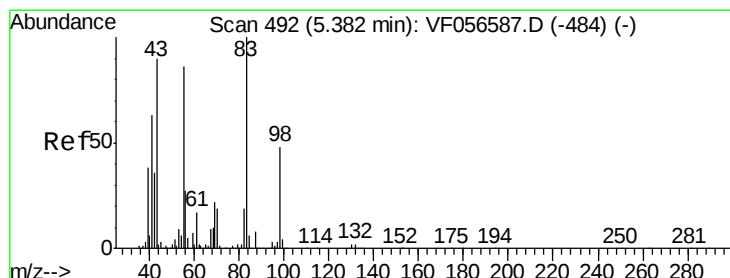
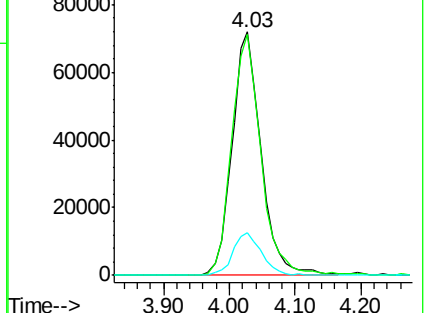
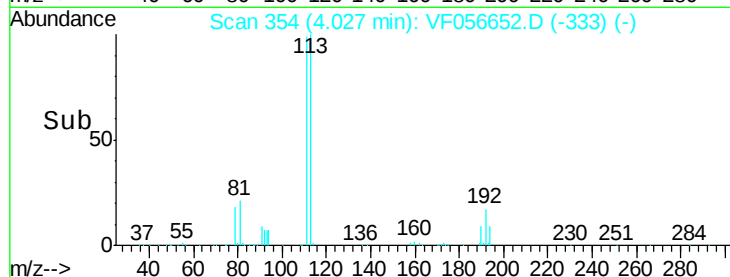
192 17.3 13.9 20.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#39

Methylcyclohexane

Concen: 4.69 ug/l

RT: 5.39 min Scan# 492

Delta R.T. 0.01 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

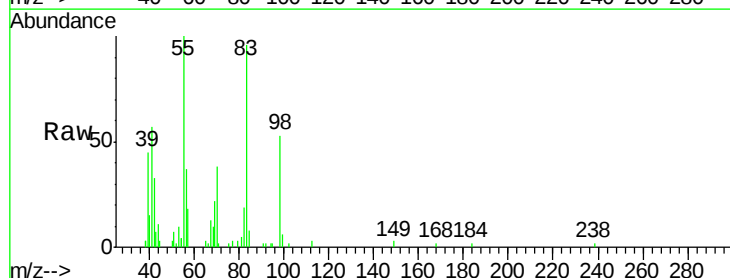
Tgt Ion: 83 Resp: 28884

Ion Ratio Lower Upper

83 100

55 103.7 68.7 103.1#

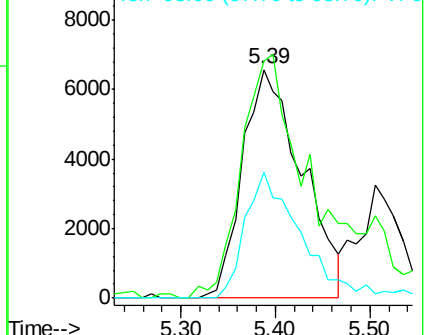
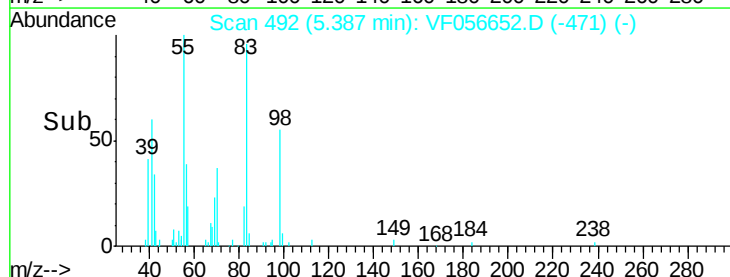
98 55.2 38.0 57.0

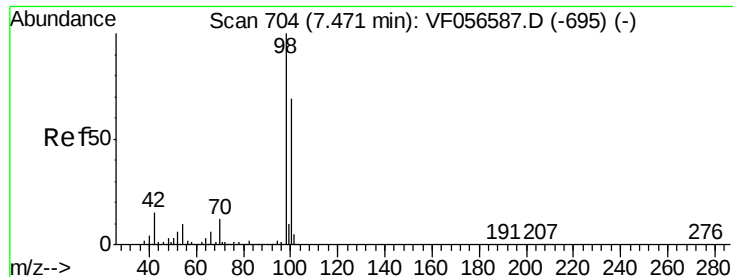


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

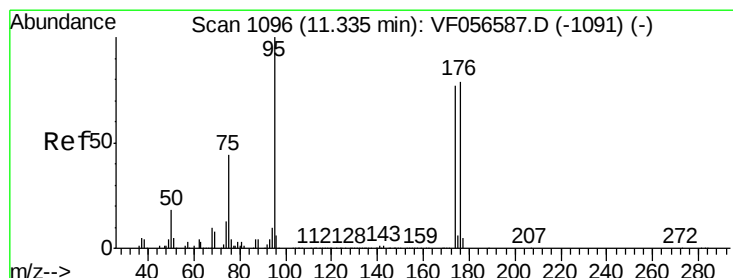
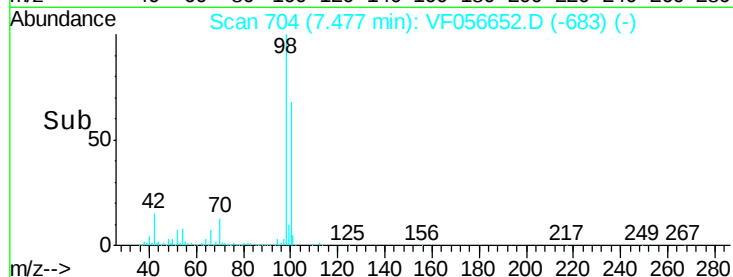
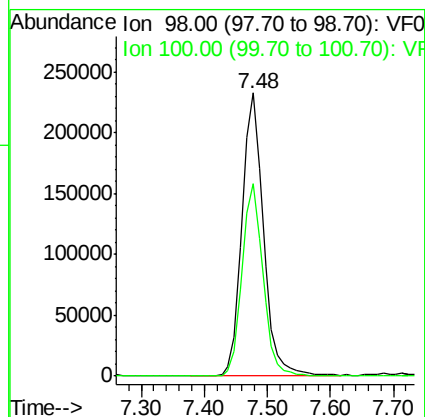
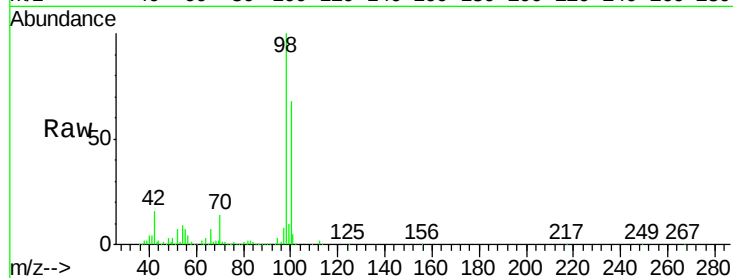




#50
Toluene-d8
Concen: 40.19 ug/l
RT: 7.48 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF056652.D
Acq: 23 Feb 2018 13:21

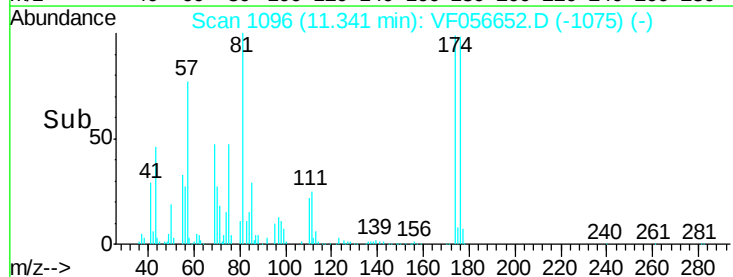
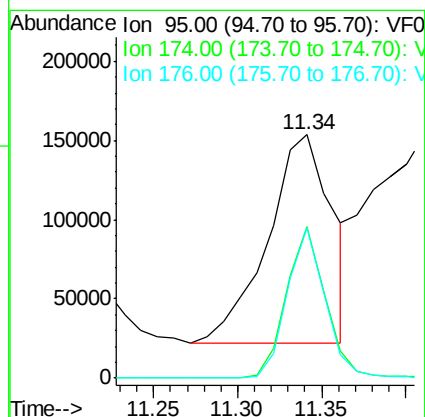
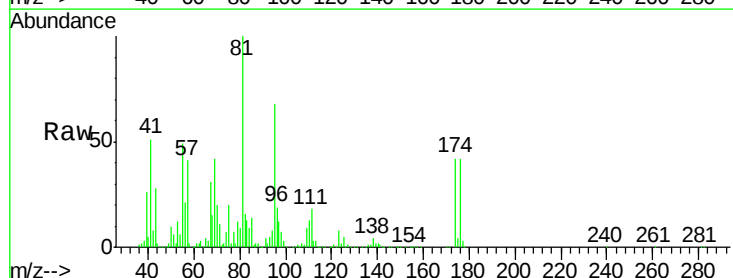
Instrument :
MSVOA_F
ClientSampleId :
RO-72-11931

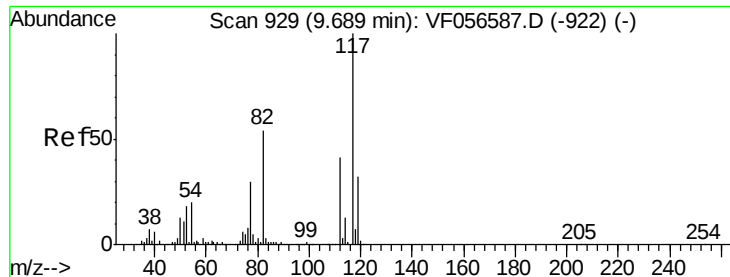
Tgt Ion: 98 Resp: 548415
Ion Ratio Lower Upper
98 100
100 67.9 55.4 83.0



#62
4-Bromofluorobenzene
Concen: 56.37 ug/l
RT: 11.34 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VF056652.D
Acq: 23 Feb 2018 13:21

Tgt Ion: 95 Resp: 349851
Ion Ratio Lower Upper
95 100
174 62.2 0.0 154.2
176 61.7 0.0 157.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.69 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

Instrument :

MSVOA_F

ClientSampleId :

RO-72-11931

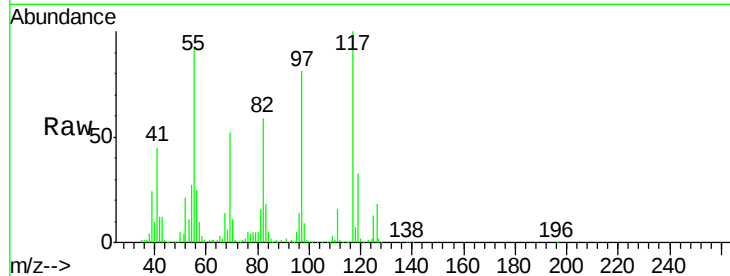
Tgt Ion:117 Resp: 430816

Ion Ratio Lower Upper

117 100

82 58.8 43.0 64.6

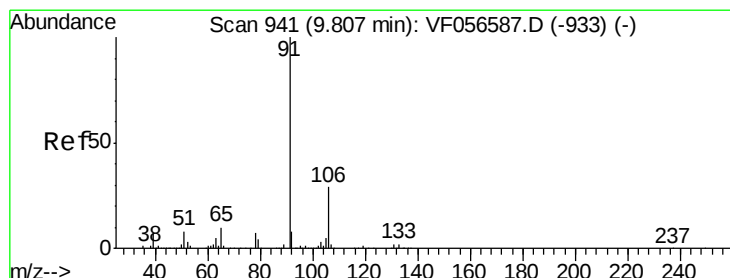
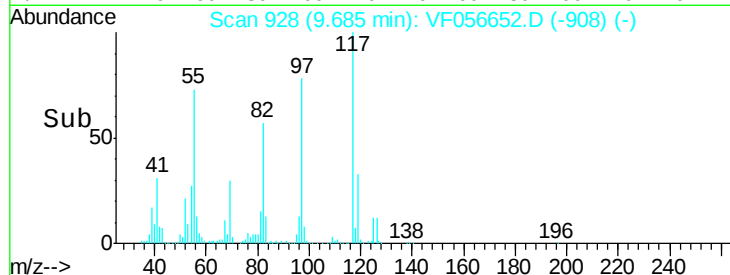
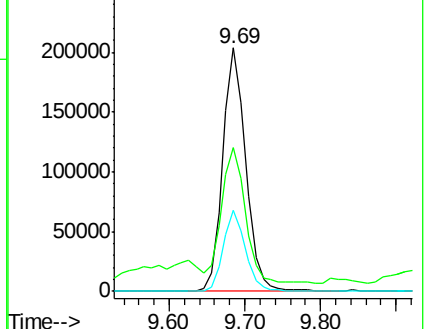
119 33.2 25.5 38.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 1.13 ug/l

RT: 9.81 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF056652.D

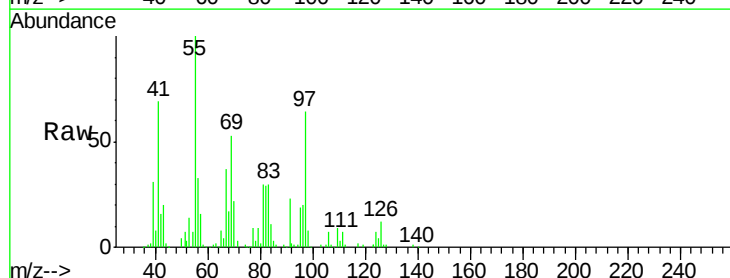
Acq: 23 Feb 2018 13:21

Tgt Ion: 91 Resp: 16303

Ion Ratio Lower Upper

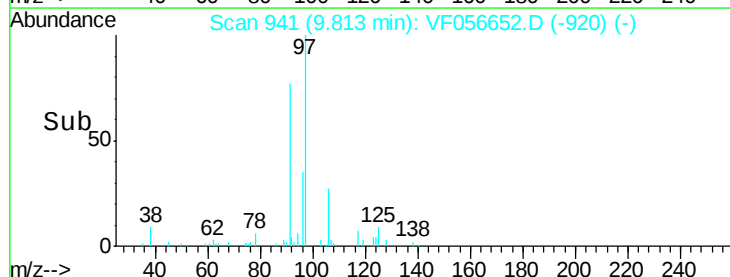
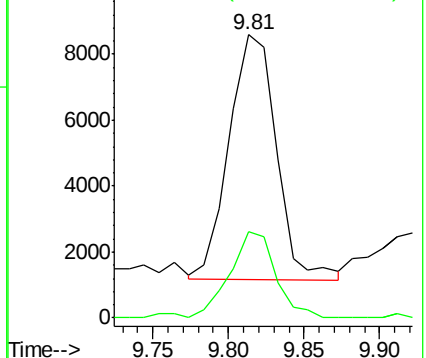
91 100

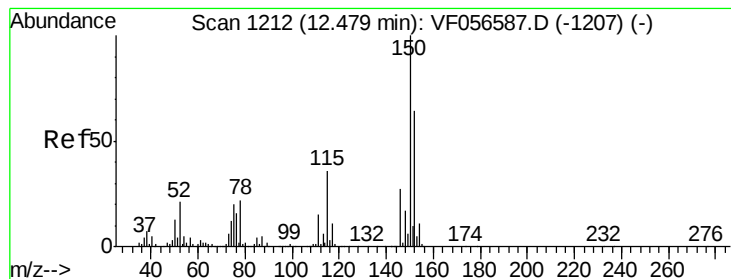
106 30.4 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

Instrument :

MSVOA_F

ClientSampleId :

RO-72-11931

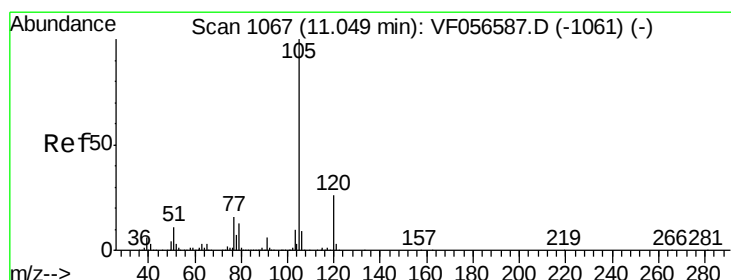
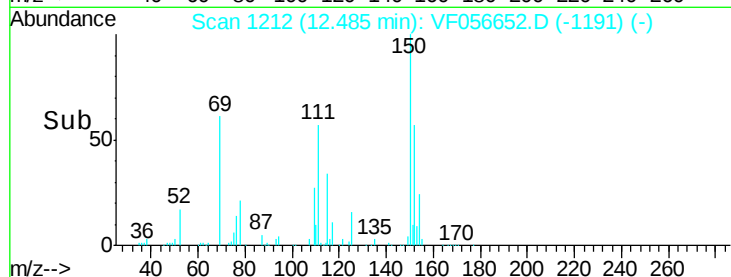
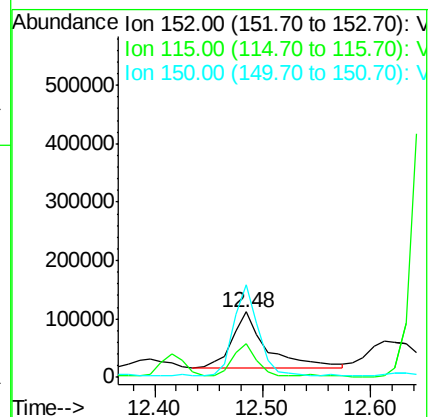
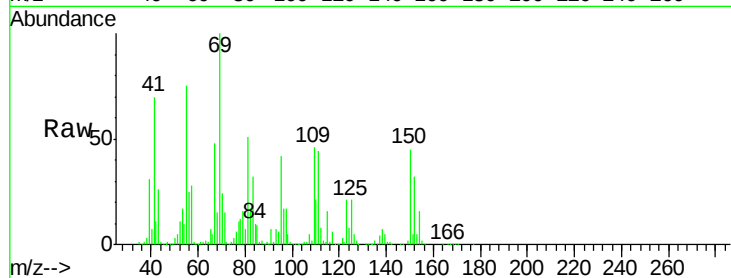
Tgt Ion:152 Resp: 220240

Ion Ratio Lower Upper

152 100

115 50.8 28.1 84.3

150 140.5 0.0 315.6



#73

Isopropylbenzene

Concen: 162.76 ug/l

RT: 11.06 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VF056652.D

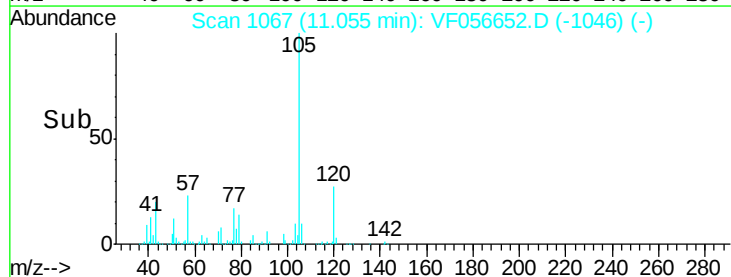
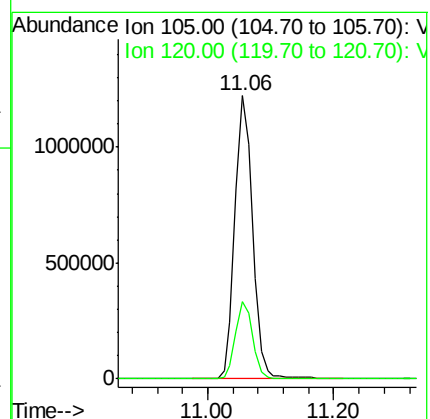
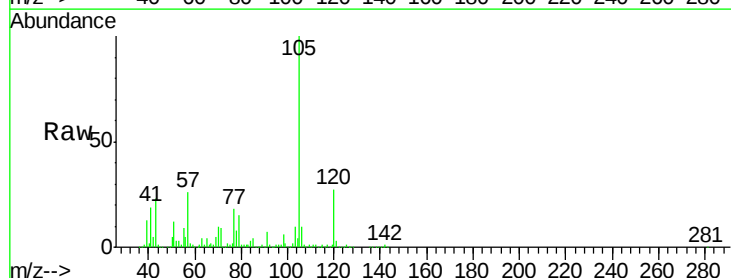
Acq: 23 Feb 2018 13:21

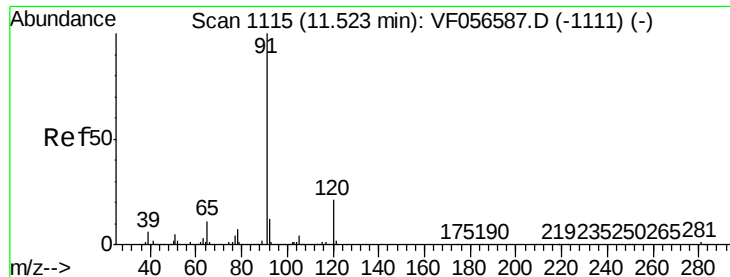
Tgt Ion:105 Resp: 2361052

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.6





#78

n-propylbenzene

Concen: 77.32 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

Instrument :

MSVOA_F

ClientSampleId :

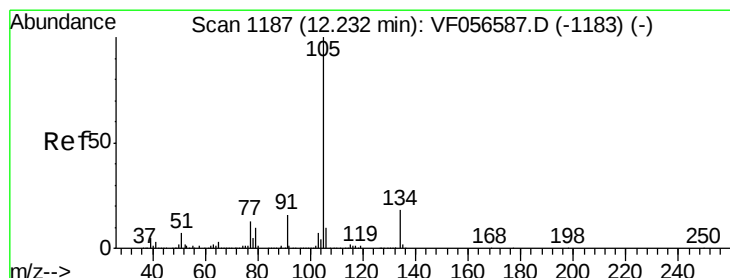
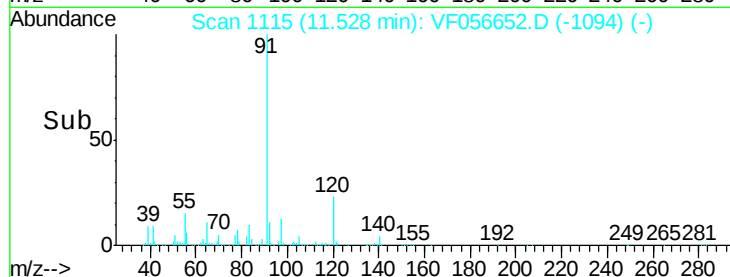
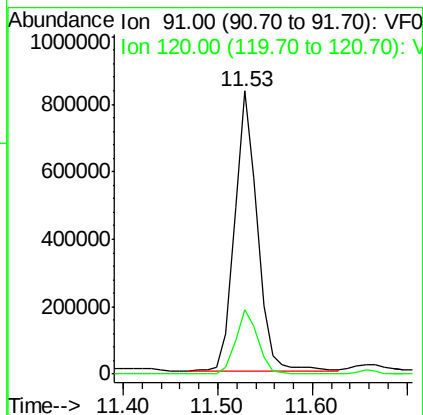
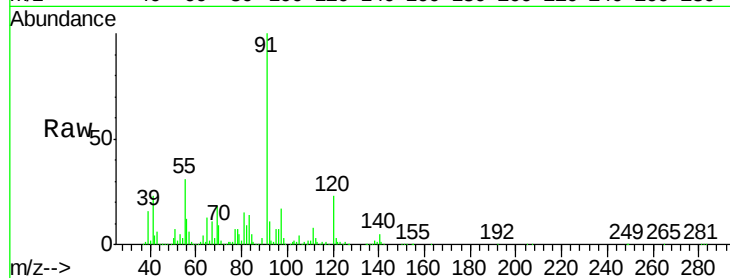
RO-72-11931

Tgt Ion: 91 Resp: 1381853

Ion Ratio Lower Upper

91 100

120 22.7 10.7 31.9



#85

sec-Butylbenzene

Concen: 29.62 ug/l

RT: 12.25 min Scan# 1188

Delta R.T. 0.02 min

Lab File: VF056652.D

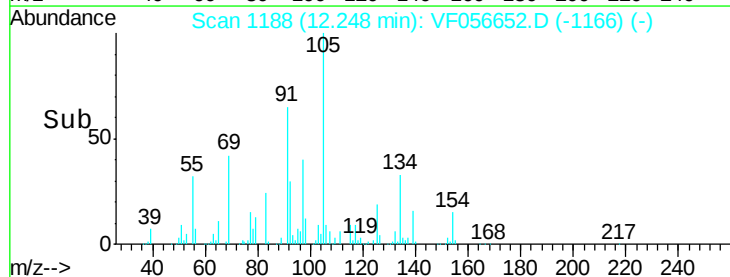
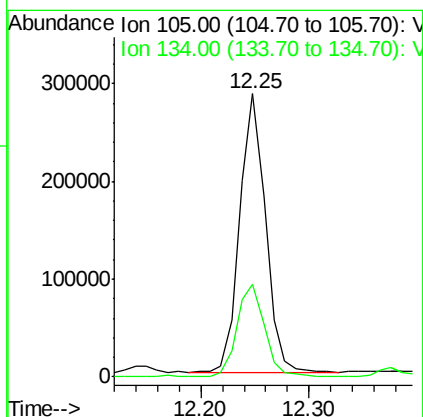
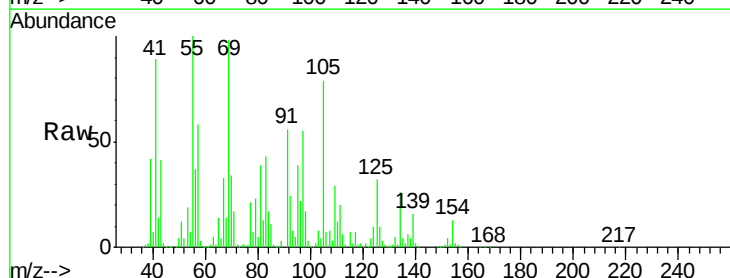
Acq: 23 Feb 2018 13:21

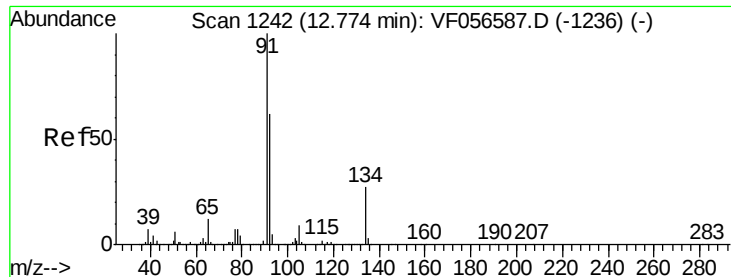
Tgt Ion: 105 Resp: 474621

Ion Ratio Lower Upper

105 100

134 32.6 9.1 27.3#





#89

n-Butylbenzene

Concen: 44.31 ug/l

RT: 12.78 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VF056652.D

Acq: 23 Feb 2018 13:21

Instrument :

MSVOA_F

ClientSampleId :

RO-72-11931

Tgt Ion: 91 Resp: 543568

Ion Ratio Lower Upper

91 100

92 52.3 30.9 92.7

134 23.3 13.7 41.0

