

Data File : VF061302.D
Acq On : 9 Jan 2019 15:42
Operator : VA/AP
Sample : K1082-09
Misc : 4.67g/5mL/MSVOA-F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

Quant Time: Jan 10 05:55:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	0.00	168	0	0.00	ug/l	-4.87
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.60
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.79
72) 1,4-Dichlorobenzene-d4	12.50	152	67	50.00	ug/l	-0.05

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

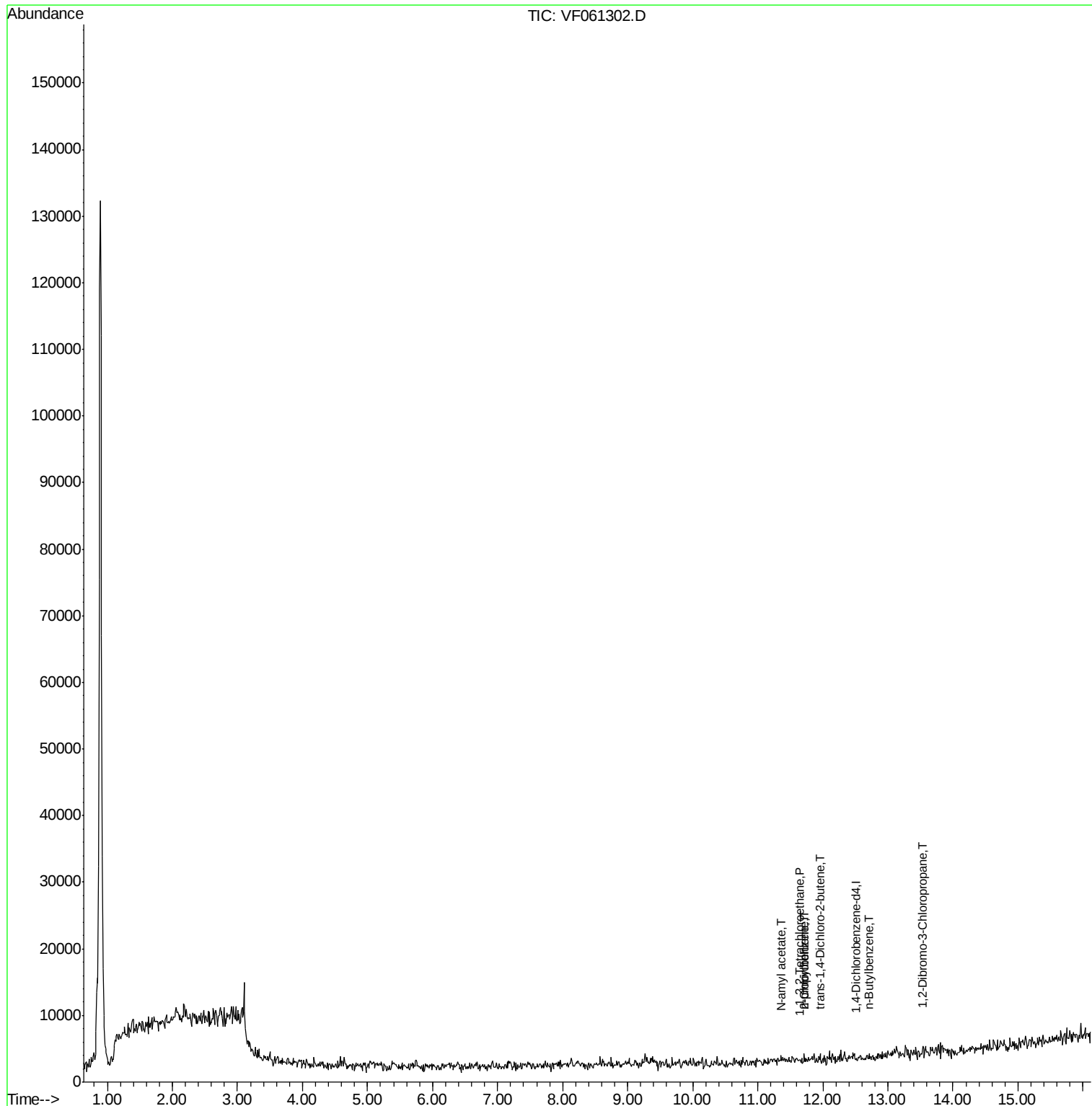
						Qvalue
74) N-amyl acetate	11.36	43	459	342.490	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	11.65	83	69	73.813	ug/l #	25
78) n-propylbenzene	11.71	91	94	13.372	ug/l #	55
79) 2-Chlorotoluene	11.71	91	94	24.002	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.96	75	91	303.730	ug/l #	17
89) n-Butylbenzene	12.71	91	77	13.845	ug/l #	27
92) 1,2-Dibromo-3-Chloropropan	13.52	75	131	829.405	ug/l #	1

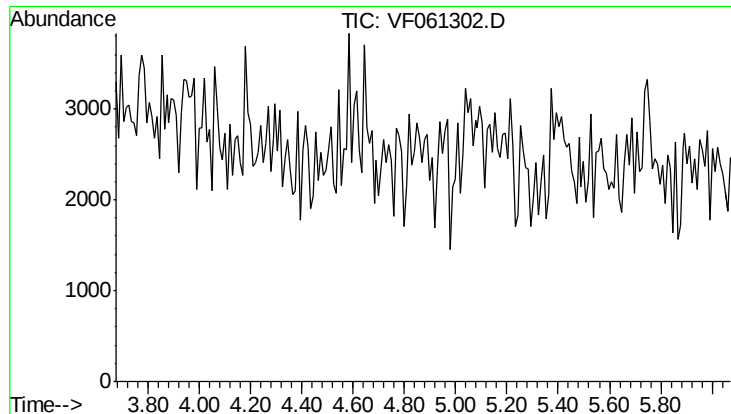
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

Tgt Ion: 168

Sig Exp Ratio

168 100

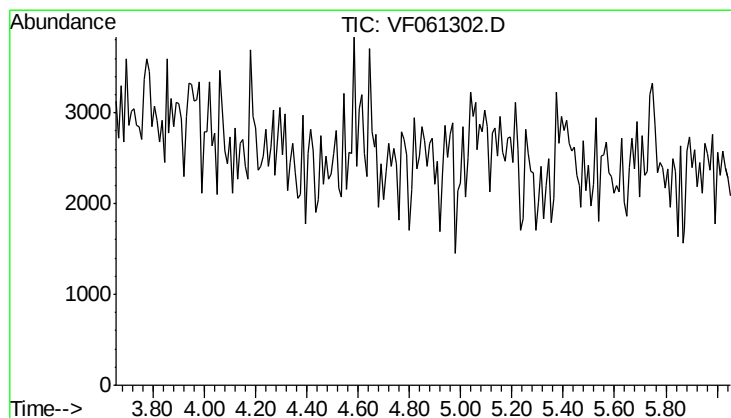
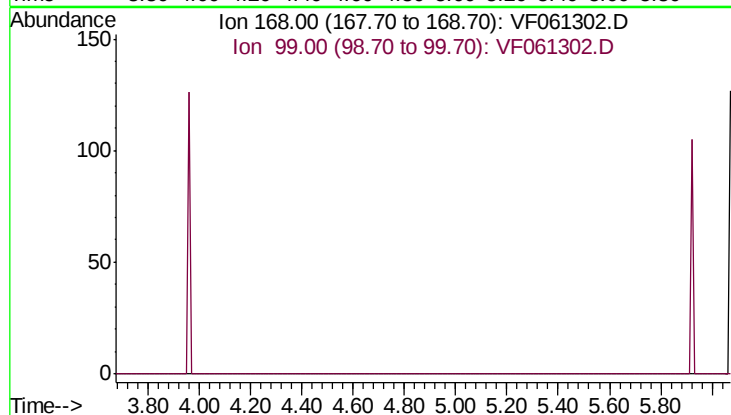
99 65.9

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.85 min

Lab File: VF061302.D

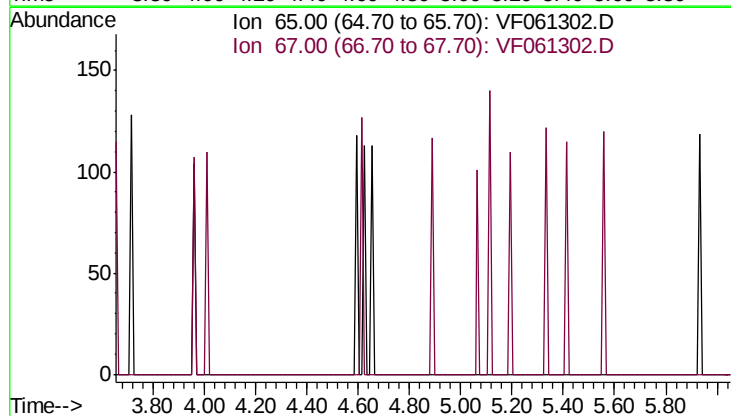
Acq: 9 Jan 2019 15:42

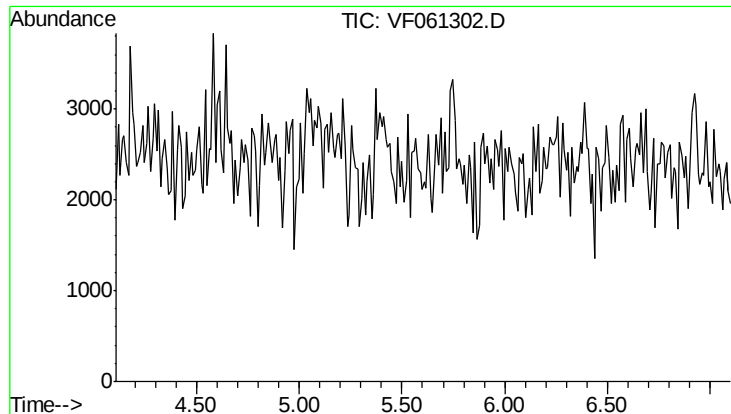
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.1

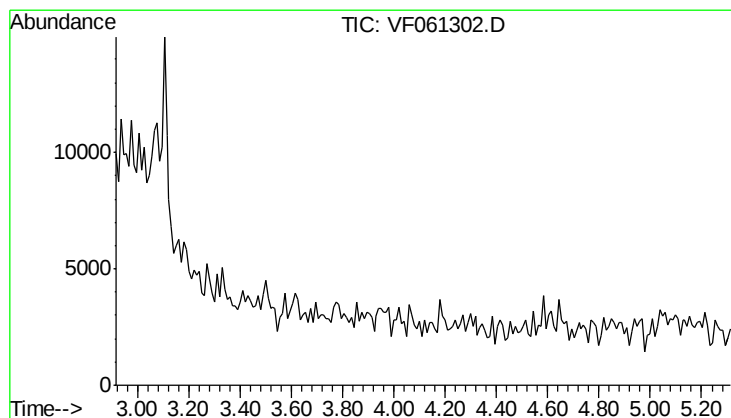
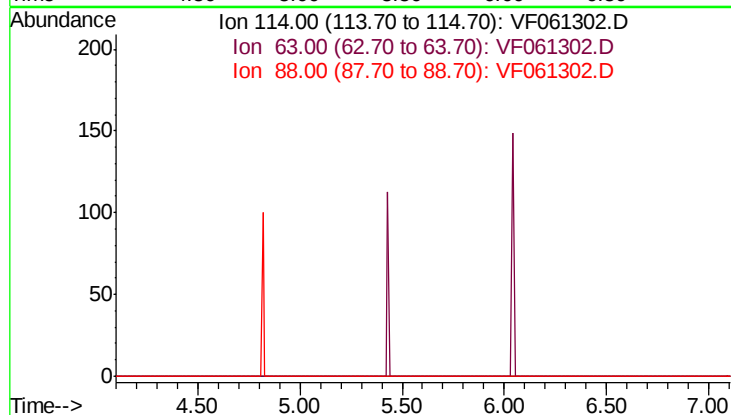




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.60 min
 Lab File: VF061302.D
 Acq: 9 Jan 2019 15:42

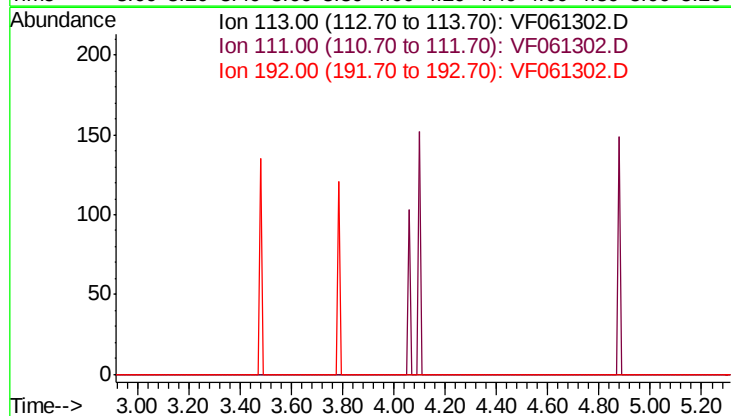
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-5

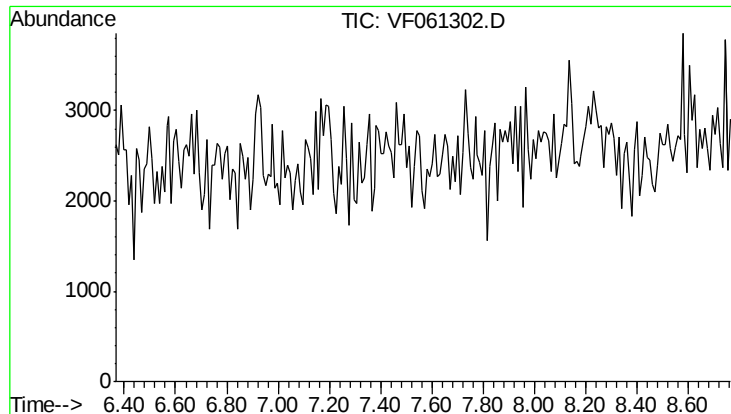
Tgt Ion: 114
 Sig Exp Ratio
 114 100
 63 21.4
 88 20.0



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min
 Lab File: VF061302.D
 Acq: 9 Jan 2019 15:42

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 97.5
 192 13.3



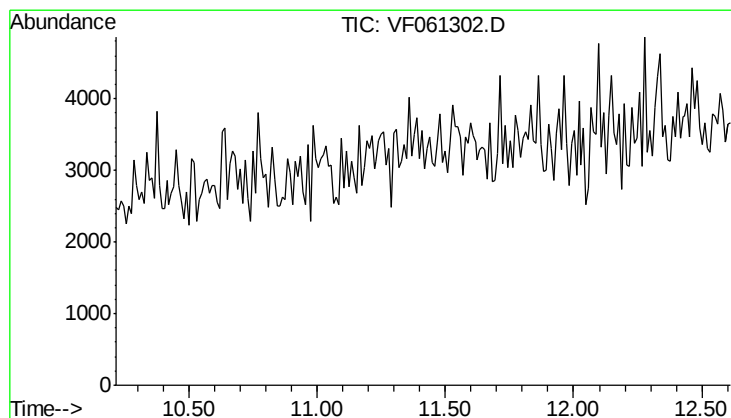
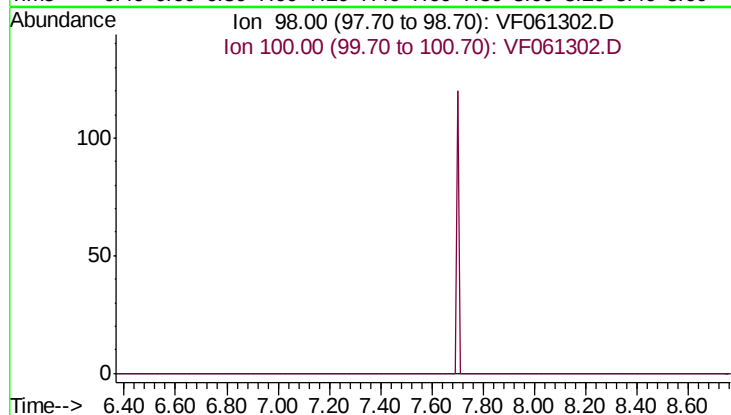


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

Lab File: VF061302.D
Acq: 9 Jan 2019 15:42

Instrument :
MSVOA_F
ClientSampleId :
SP-1-5

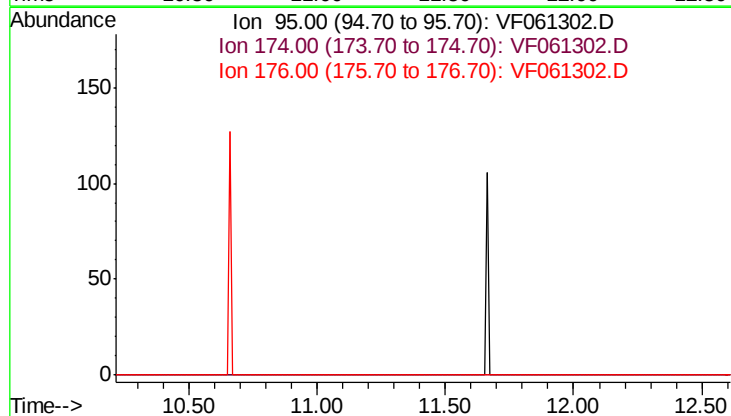
Tgt Ion: 98
Sig Exp Ratio
98 100
100 69.5

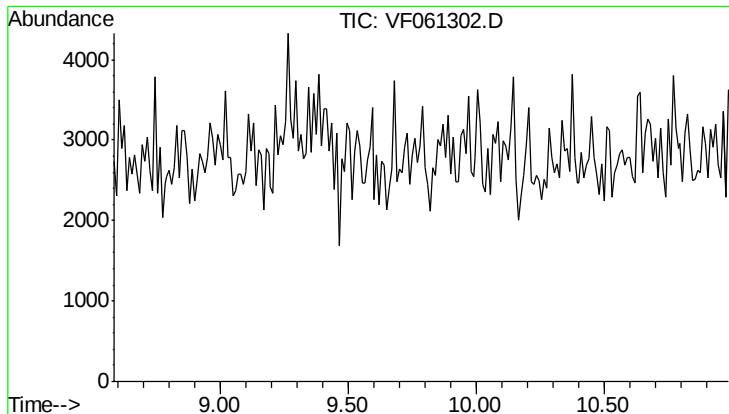


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.41 min

Lab File: VF061302.D
Acq: 9 Jan 2019 15:42

Tgt Ion: 95
Sig Exp Ratio
95 100
174 57.1
176 58.9

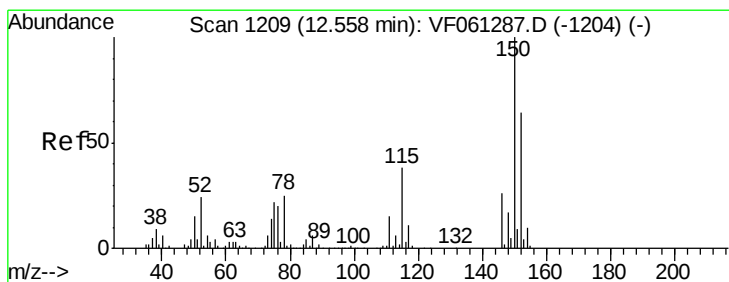
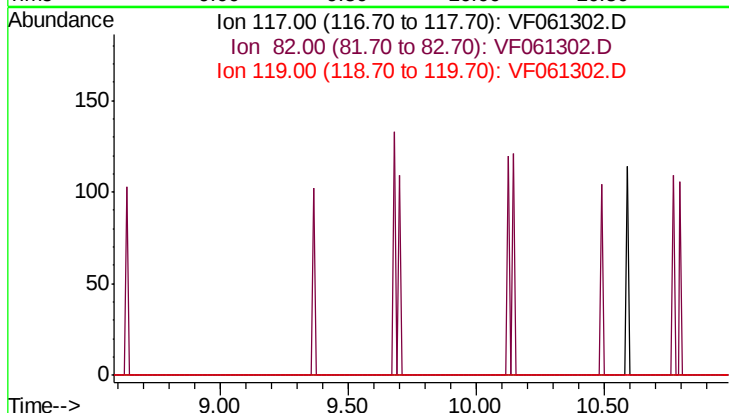




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.79 min
 Lab File: VF061302.D
 Acq: 9 Jan 2019 15:42

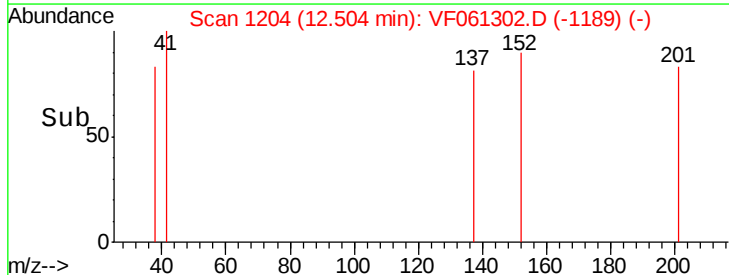
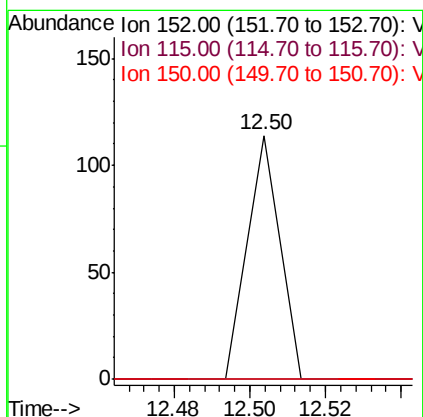
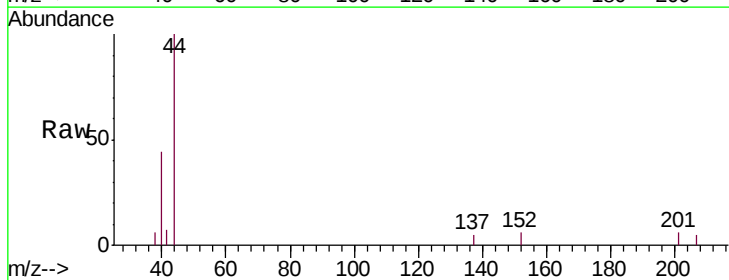
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-5

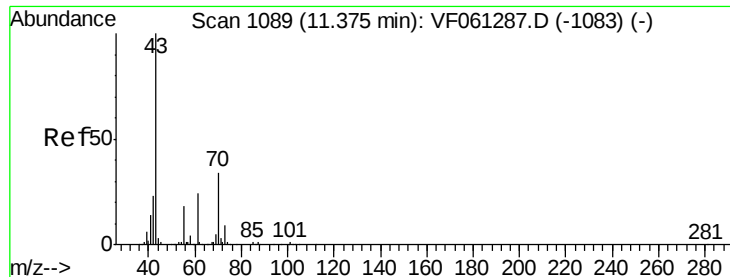
Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 56.6
 119 31.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.05 min
 Lab File: VF061302.D
 Acq: 9 Jan 2019 15:42

Tgt Ion: 152 Resp: 67
 Ion Ratio Lower Upper
 152 100
 115 0.0 29.6 88.9#
 150 0.0 0.0 315.4





#74

N-ethyl acetate

Concen: 342.490 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampled :

SP-1-5

Tgt Ion: 43 Resp: 459

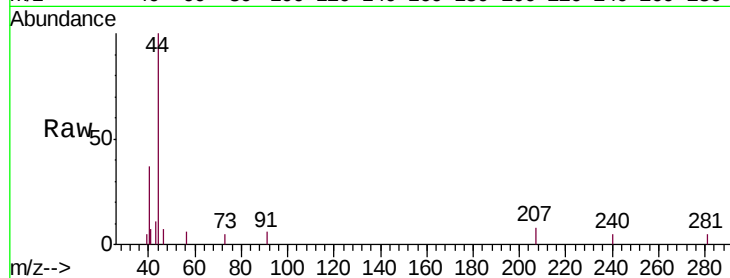
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.0#

55 0.0 14.7 22.1#

61 0.0 19.0 28.4#

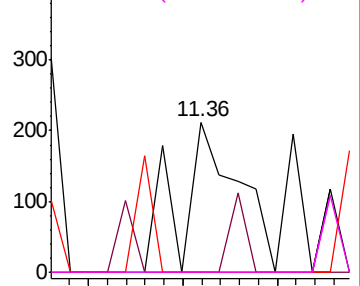


Abundance Ion 43.00 (42.70 to 43.70): VF0

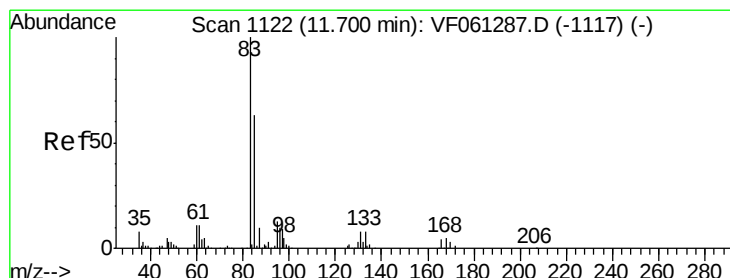
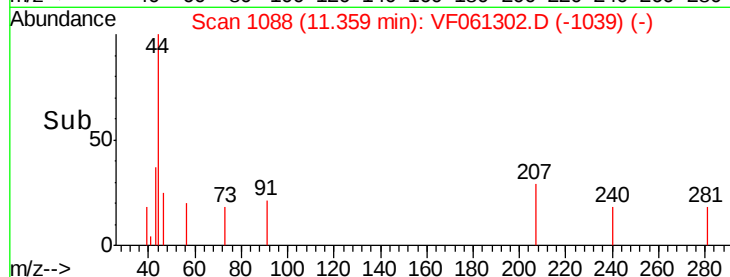
Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 73.813 ug/l

RT: 11.65 min Scan# 1117

Delta R.T. -0.05 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

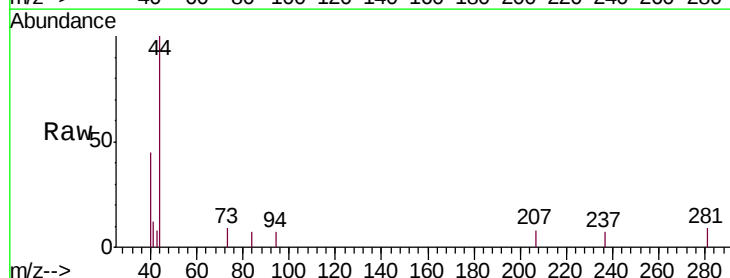
Tgt Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.7#

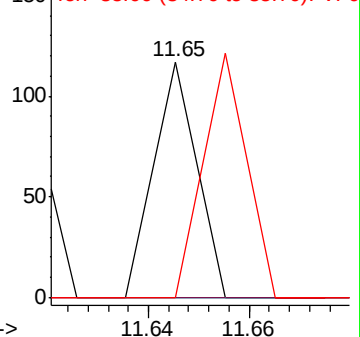
85 0.0 31.6 94.7#



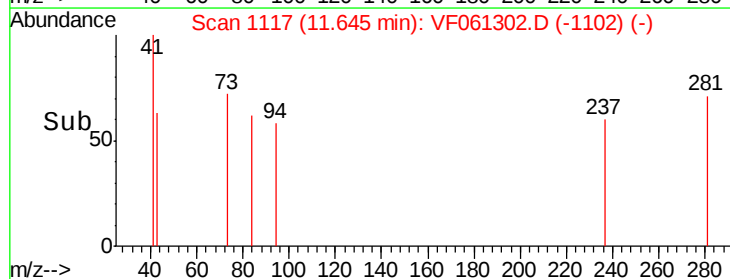
Abundance Ion 83.00 (82.70 to 83.70): VF0

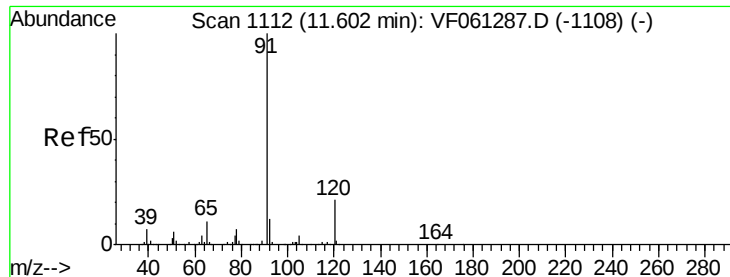
Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



Time-->





#78

n-propylbenzene

Concen: 13.372 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.11 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampled :

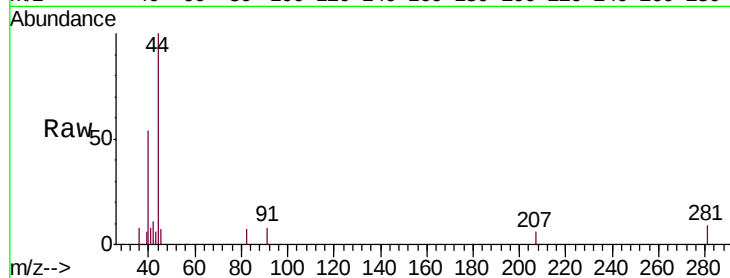
SP-1-5

Tgt Ion: 91 Resp: 94

Ion Ratio Lower Upper

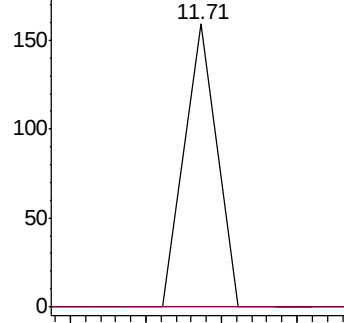
91 100

120 0.0 10.7 32.1#

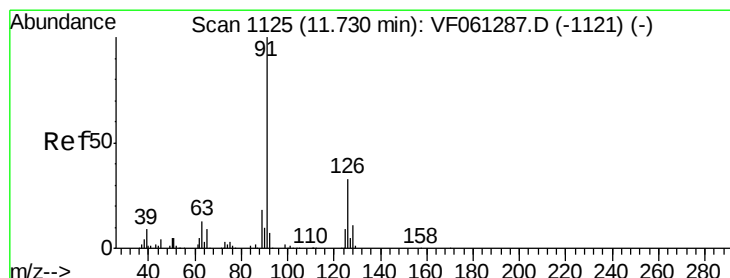
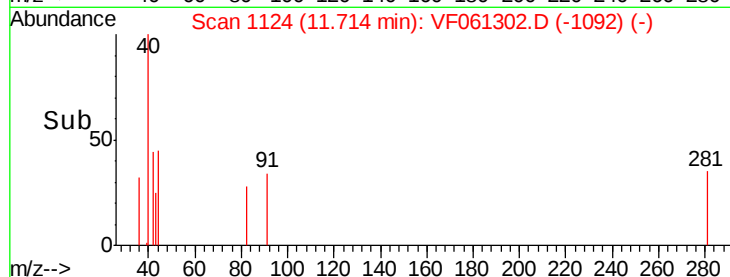


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



Time--> 11.68 11.70 11.72 11.74



#79

2-Chlorotoluene

Concen: 24.002 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061302.D

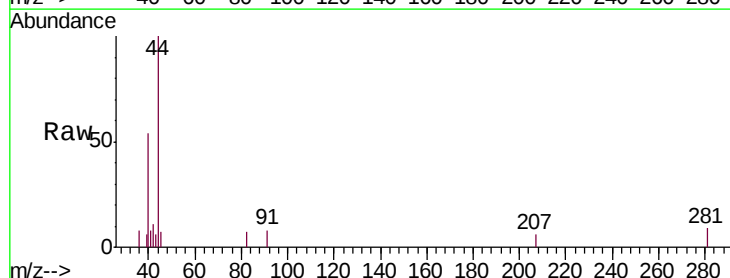
Acq: 9 Jan 2019 15:42

Tgt Ion: 91 Resp: 94

Ion Ratio Lower Upper

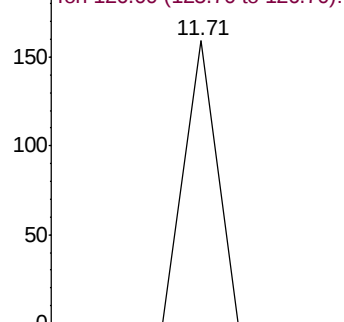
91 100

126 0.0 16.6 49.8#

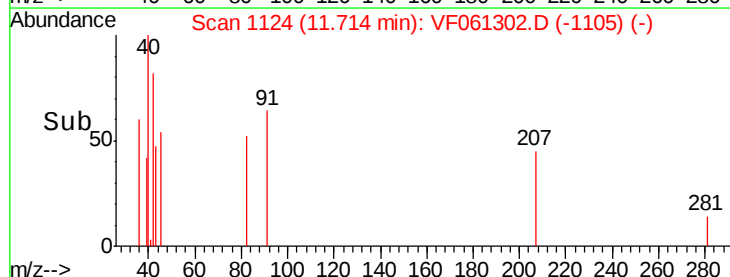


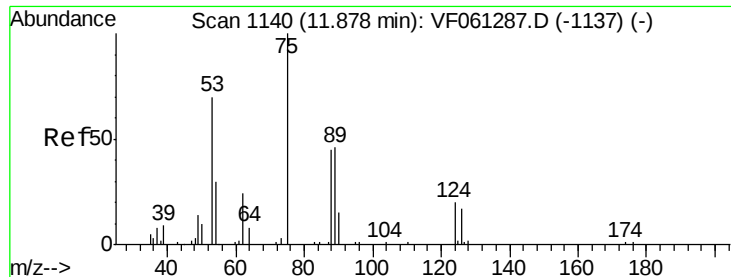
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time--> 11.68 11.70 11.72 11.74





#81

trans-1,4-Dichloro-2-butene

Concen: 303.730 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.08 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5

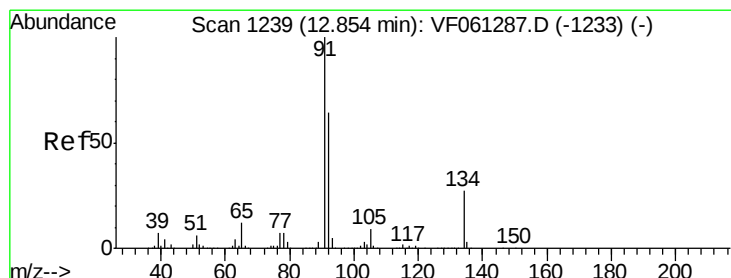
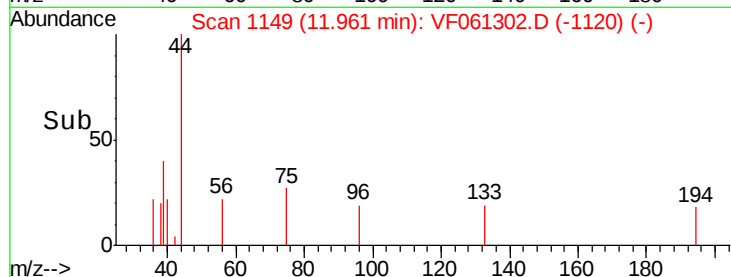
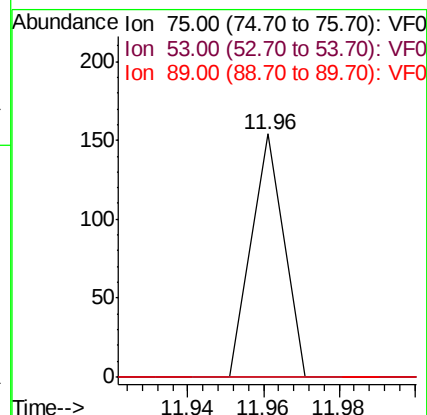
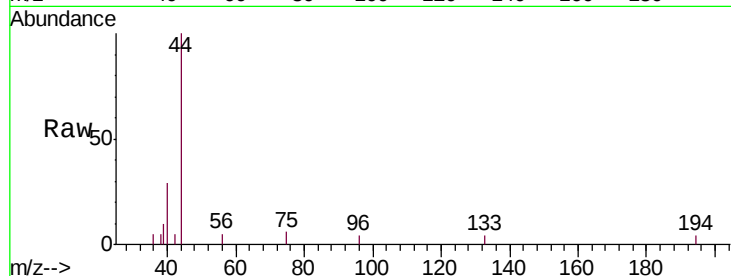
Tgt Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

53 0.0 62.2 93.2#

89 0.0 40.2 60.4#



#89

n-Butylbenzene

Concen: 13.845 ug/l

RT: 12.71 min Scan# 1225

Delta R.T. -0.14 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

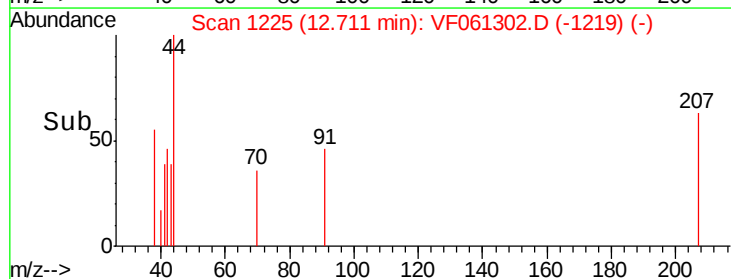
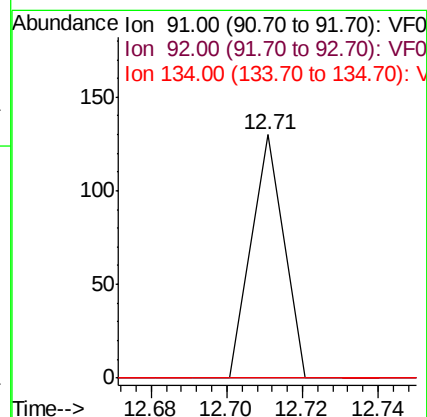
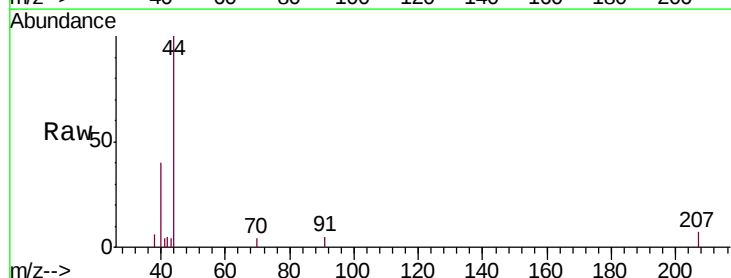
Tgt Ion: 91 Resp: 77

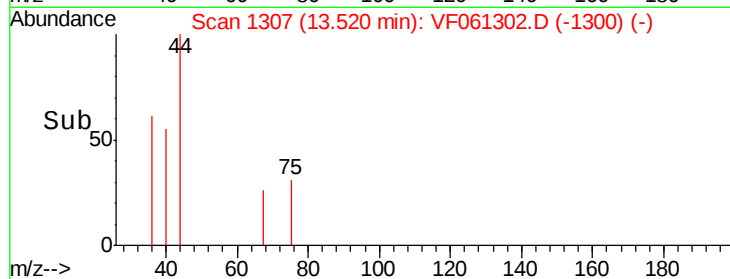
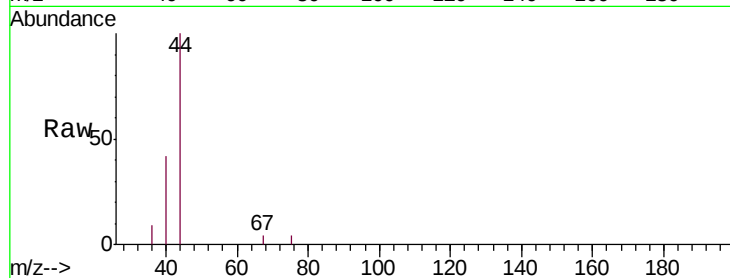
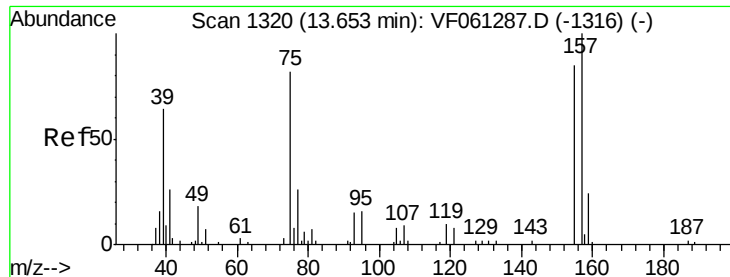
Ion Ratio Lower Upper

91 100

92 0.0 32.1 96.3#

134 0.0 13.4 40.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 829.405 ug/l

RT: 13.52 min Scan# 1307

Delta R.T. -0.13 min

Lab File: VF061302.D

Acq: 9 Jan 2019 15:42

Instrument :

MSVOA_F

ClientSampleId :

SP-1-5

Tgt Ion: 75 Resp: 131

Ion Ratio Lower Upper

75 100

155 0.0 51.3 154.0#

157 0.0 60.7 182.0#

