

Data File : VF061301.D
Acq On : 9 Jan 2019 15:14
Operator : VA/AP
Sample : K1082-07
Misc : 6.50g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
SP-1-4

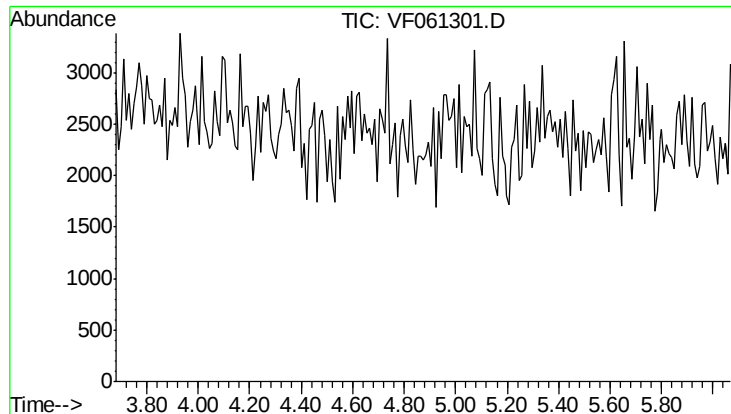
Quant Time: Jan 10 05:54:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

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	12.54	152	60	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.77	65	72	0.00	ug/l	-0.09
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	268	223.302	ug/l #	48
78) n-propylbenzene	11.60	91	119	18.904	ug/l #	55
79) 2-Chlorotoluene	11.64	91	60	17.108	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.82	105	82	19.519	ug/l #	27
82) 4-Chlorotoluene	11.93	91	140	39.284	ug/l #	42
83) tert-Butylbenzene	12.28	119	60	14.335	ug/l #	29
86) p-Isopropyltoluene	12.54	119	100	20.630	ug/l #	50
89) n-Butylbenzene	12.81	91	67	13.452	ug/l #	27
90) Hexachloroethane	12.92	117	65	58.620	ug/l #	23
92) 1,2-Dibromo-3-Chloropropan	13.80	75	66	466.619	ug/l	88
95) Naphthalene	14.46	128	60	23.631	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.87 min

Lab File: VF061301.D

Acq: 9 Jan 2019 15:14

Tgt Ion: 168

Sig Exp Ratio

168 100

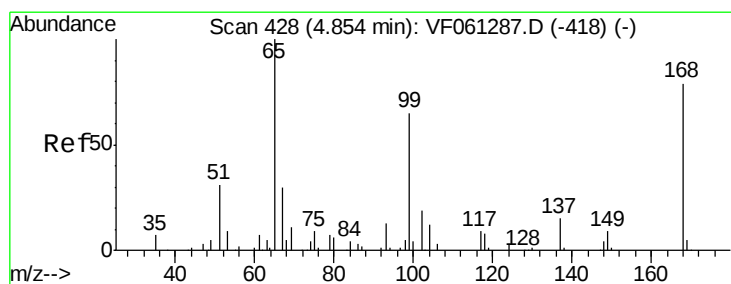
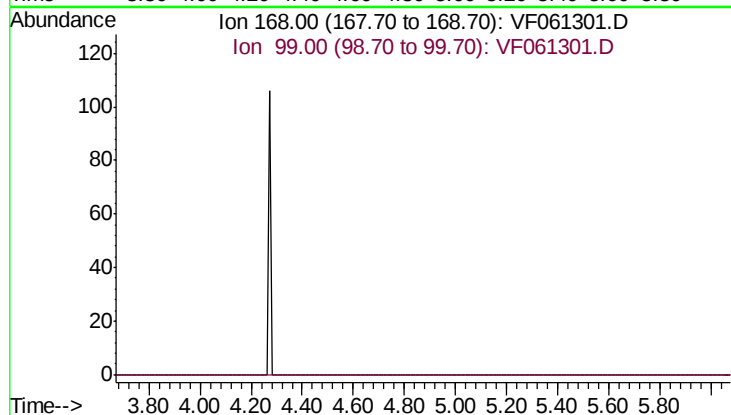
99 65.9

Instrument :

MSVOA_F

ClientSampleId :

SP-1-4



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.77 min Scan# 419

Delta R.T. -0.09 min

Lab File: VF061301.D

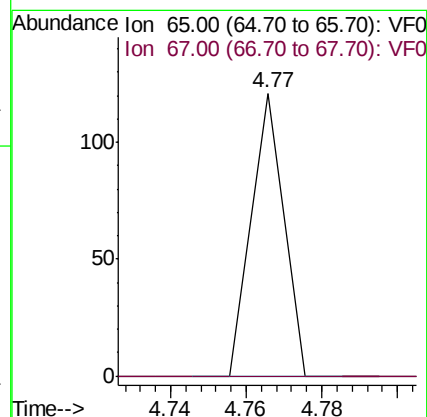
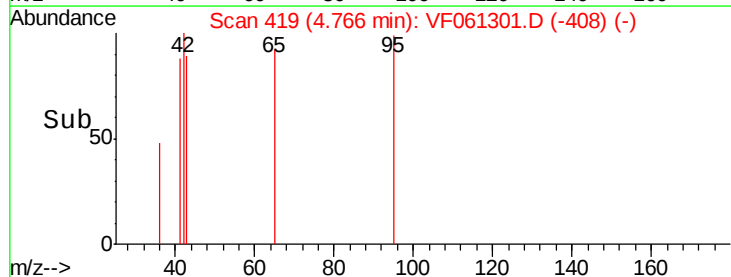
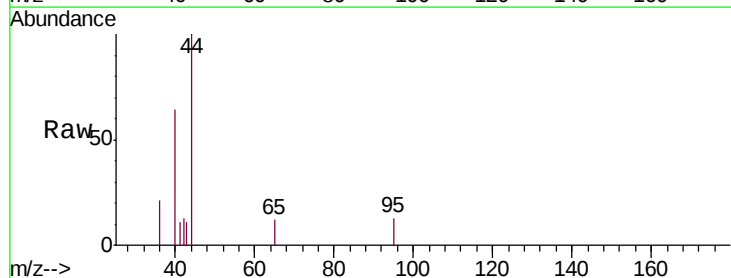
Acq: 9 Jan 2019 15:14

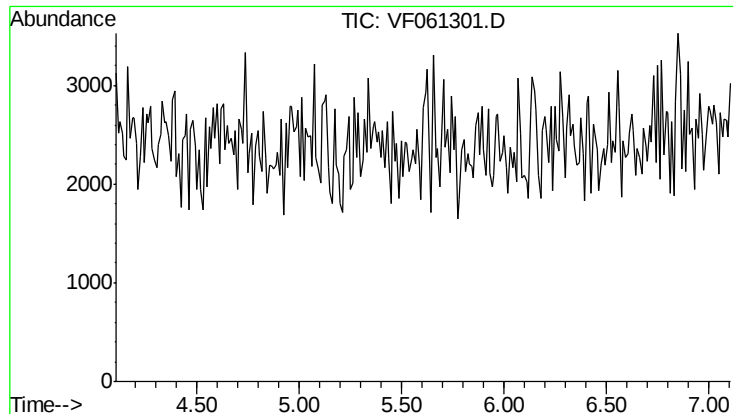
Tgt Ion: 65 Resp: 72

Ion Ratio Lower Upper

65 100

67 0.0 0.0 98.2

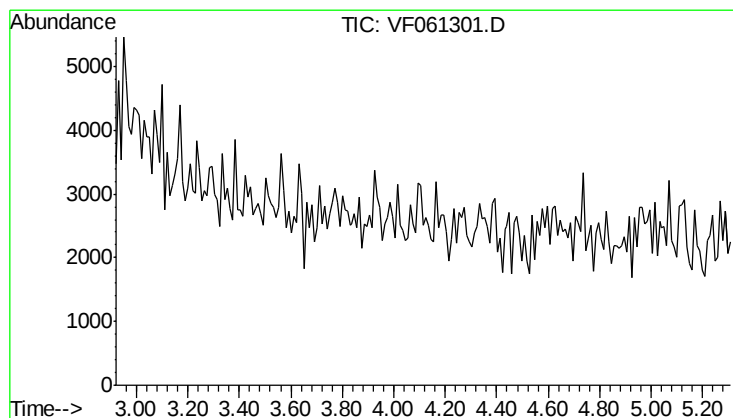
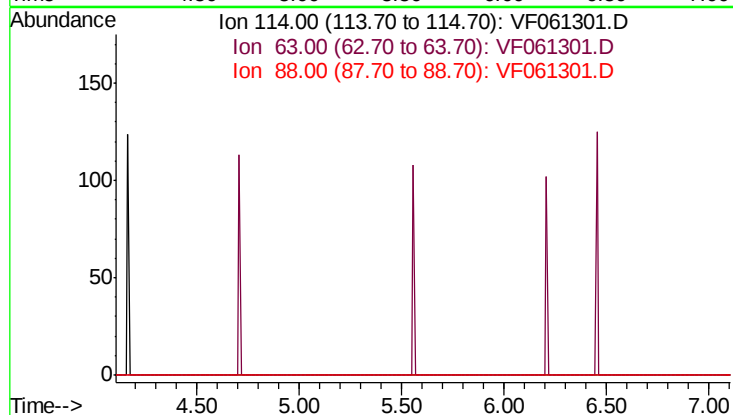




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.60 min
 Lab File: VF061301.D
 Acq: 9 Jan 2019 15:14

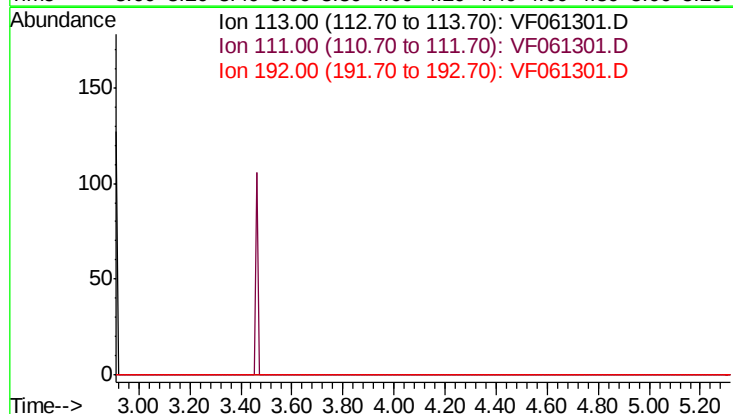
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-4

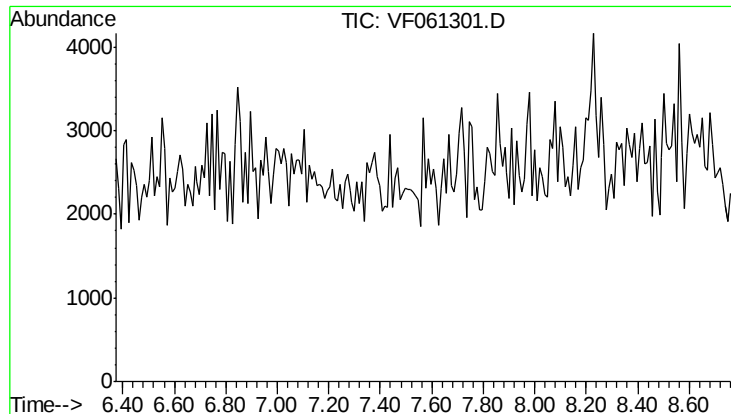
Tgt Ion: 114
 Sig Exp Ratio
 114 100
 63 21.4
 88 20.0



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.11 min
 Lab File: VF061301.D
 Acq: 9 Jan 2019 15:14

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



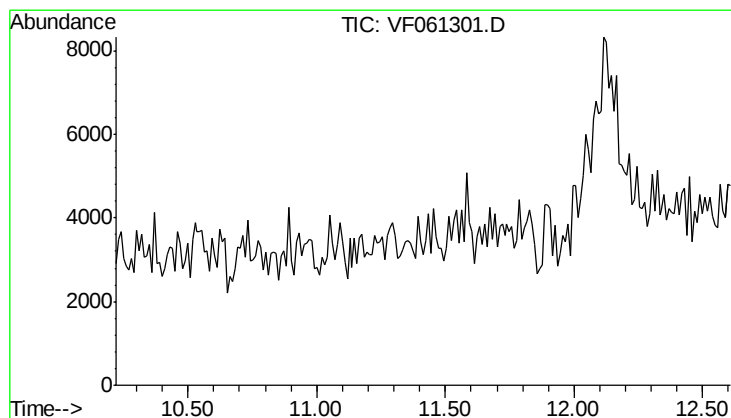
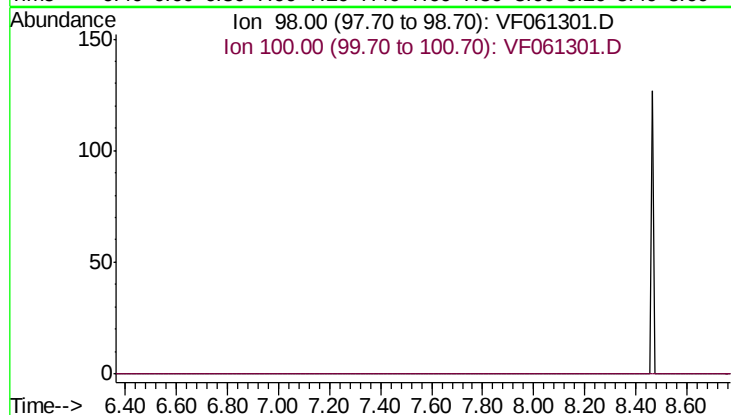


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.57 min

Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

Instrument :
MSVOA_F
ClientSampleId :
SP-1-4

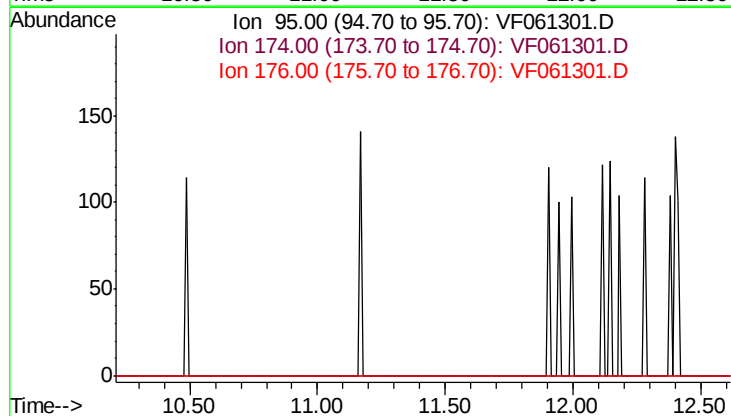
Tgt Ion: 98
Sig Exp Ratio
98 100
100 69.5

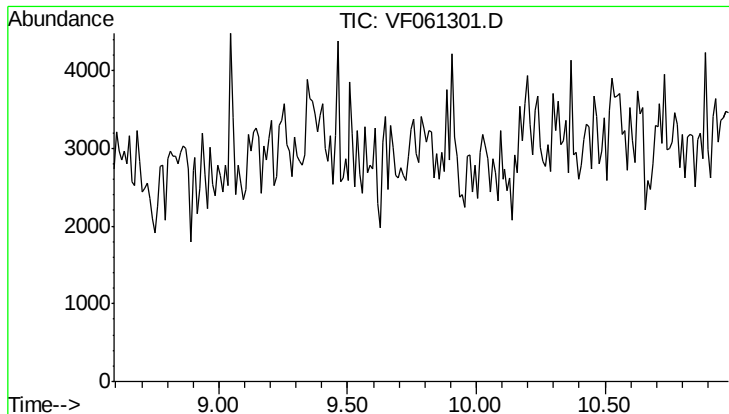


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.41 min

Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

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

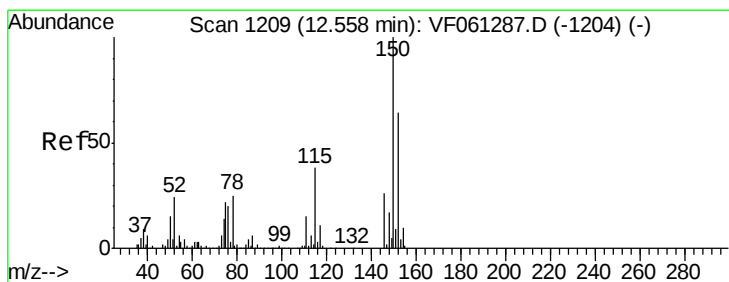
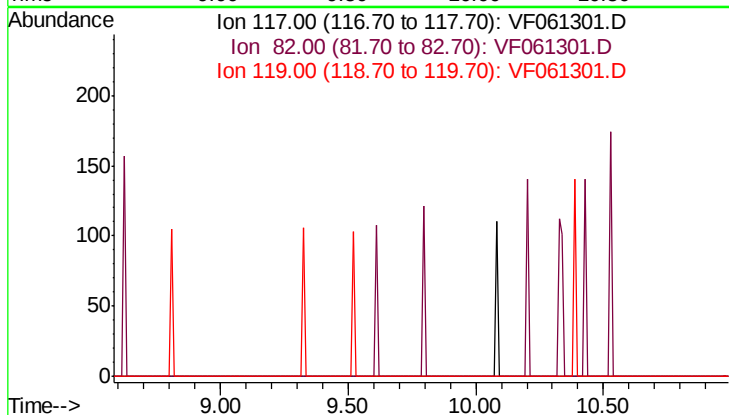




#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.79 min
 Lab File: VF061301.D
 Acq: 9 Jan 2019 15:14

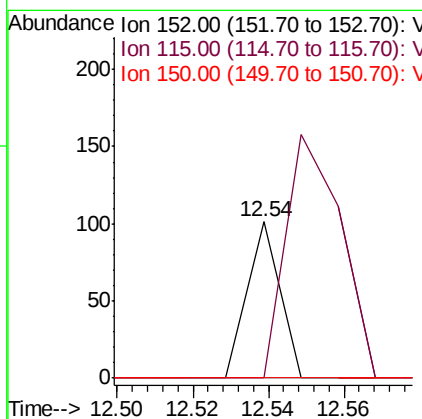
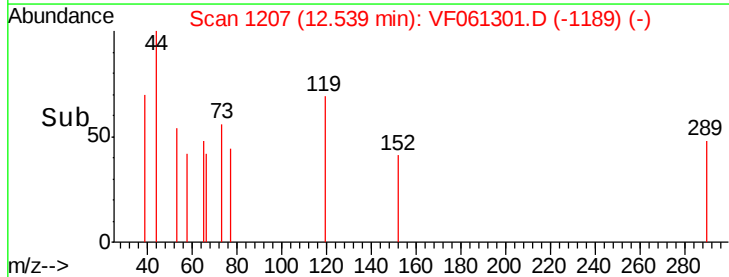
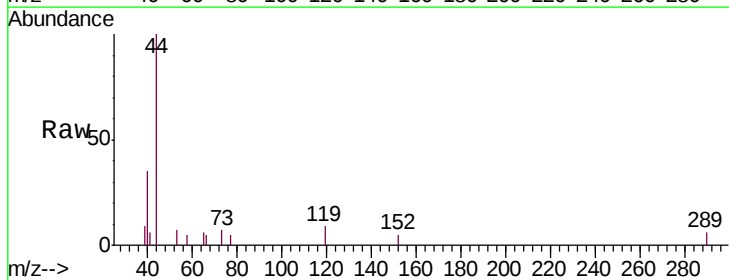
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-4

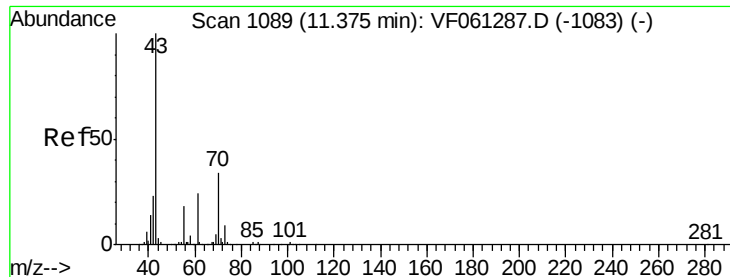
Tgt Ion: 117
 Sig Exp Ratio
 117 100
 82 56.6
 119 31.7



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: VF061301.D
 Acq: 9 Jan 2019 15:14

Tgt Ion: 152 Resp: 60
 Ion Ratio Lower Upper
 152 100
 115 0.0 29.6 88.9#
 150 0.0 0.0 315.4





#74

N-amyI acetate

Concen: 223.302 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061301.D

Acq: 9 Jan 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

SP-1-4

Tgt Ion: 43 Resp: 268

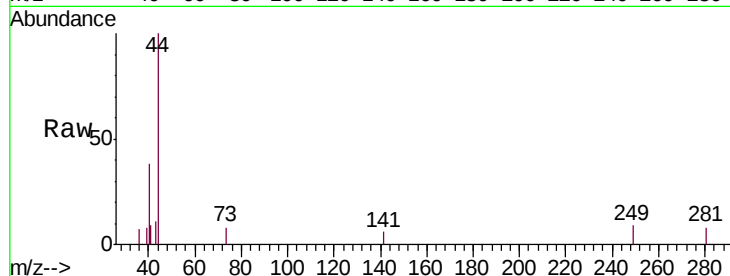
Ion Ratio Lower Upper

43 100

70 0.0 27.4 41.0#

55 0.0 14.7 22.1#

61 0.0 19.0 28.4#

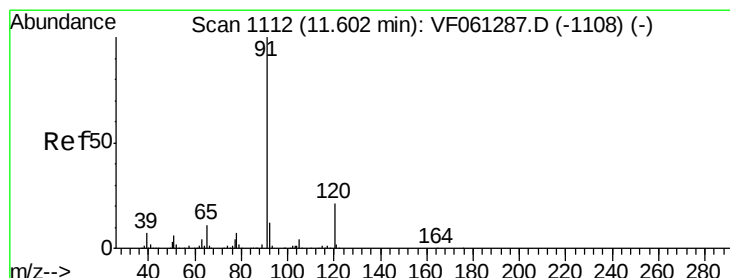
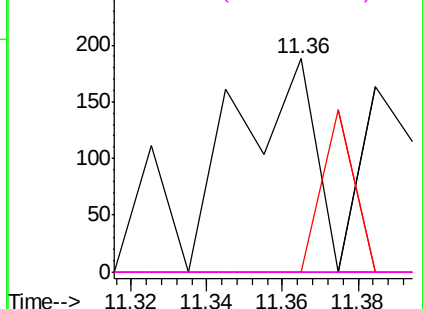
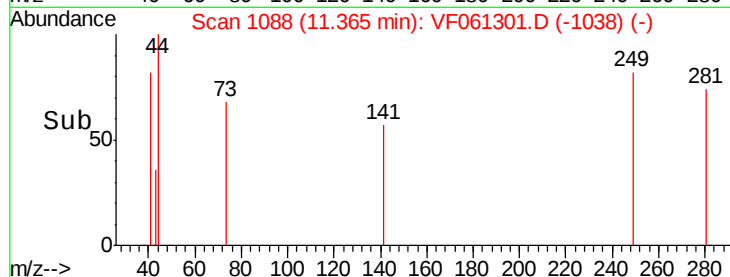


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#78

n-propylbenzene

Concen: 18.904 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061301.D

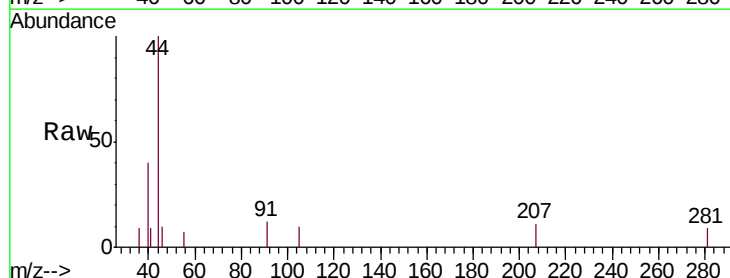
Acq: 9 Jan 2019 15:14

Tgt Ion: 91 Resp: 119

Ion Ratio Lower Upper

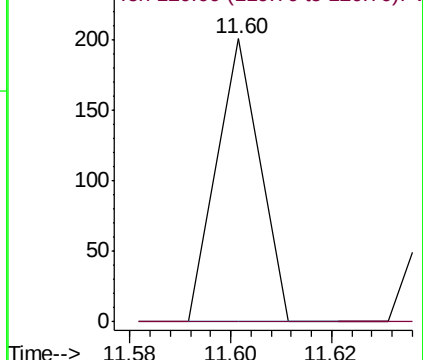
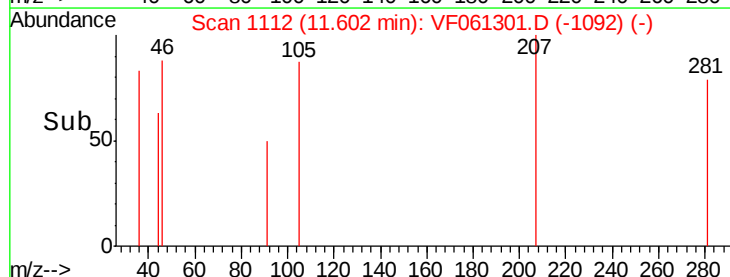
91 100

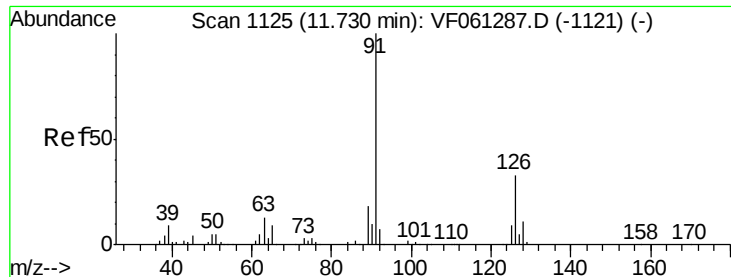
120 0.0 10.7 32.1#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.108 ug/l

RT: 11.64 min Scan# 1116

Delta R.T. -0.09 min

Lab File: VF061301.D

Acq: 9 Jan 2019 15:14

Instrument :

MSVOA_F

ClientSampleId :

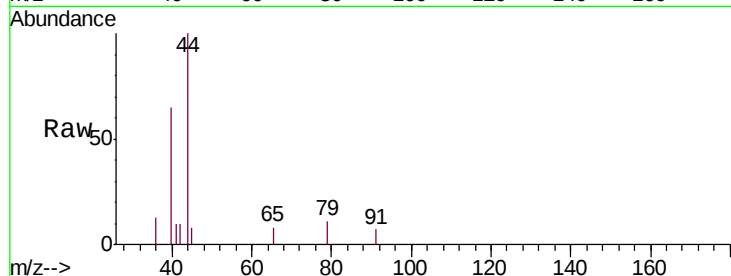
SP-1-4

Tgt Ion: 91 Resp: 60

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

11.64

100

80

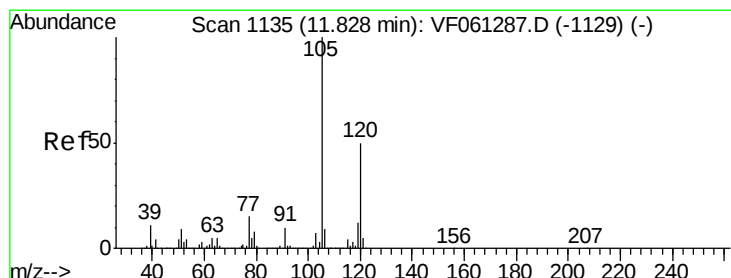
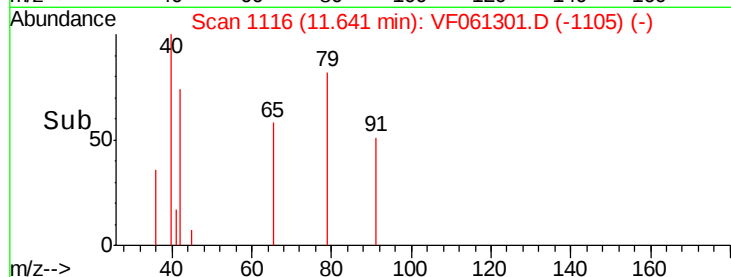
60

40

20

0

Time--> 11.62 11.64 11.66



#80

1,3,5-Trimethylbenzene

Concen: 19.519 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061301.D

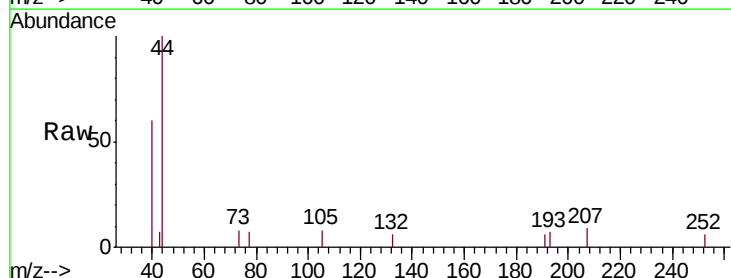
Acq: 9 Jan 2019 15:14

Tgt Ion: 105 Resp: 82

Ion Ratio Lower Upper

105 100

120 0.0 25.2 75.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

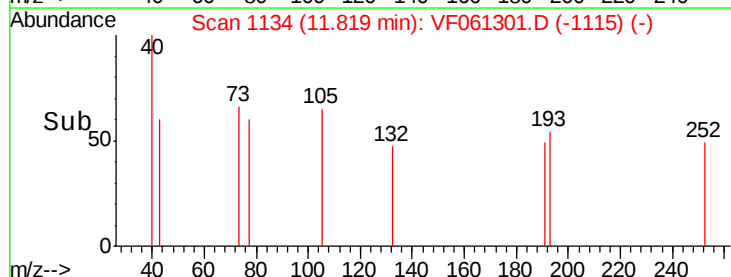
150

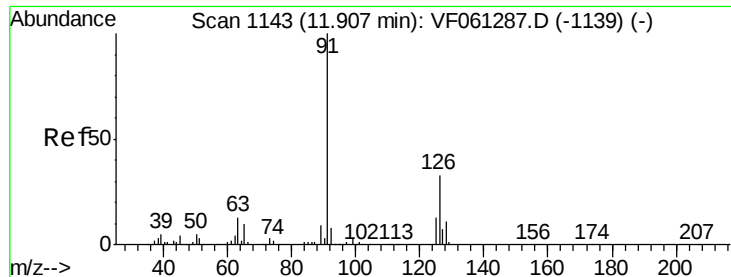
100

50

0

Time--> 11.78 11.80 11.82 11.84

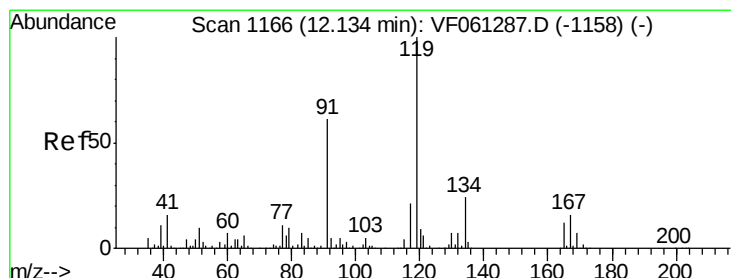
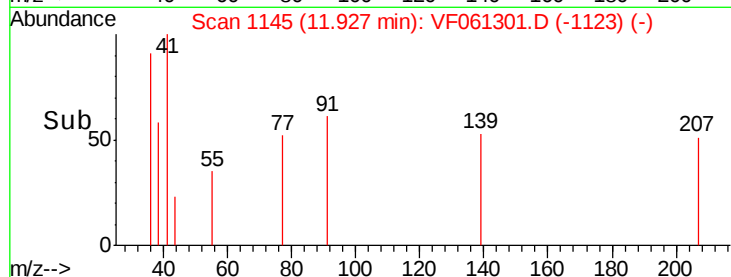
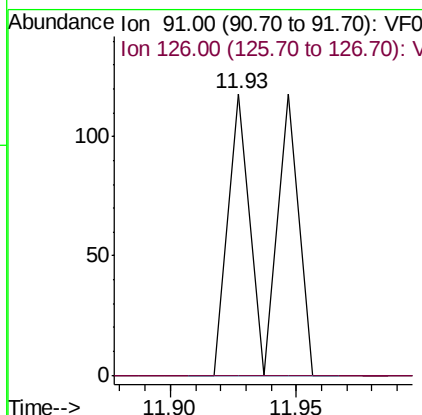
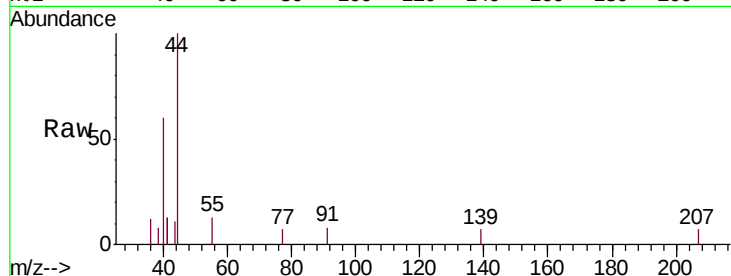




#82
4-Chlorotoluene
Concen: 39.284 ug/l
RT: 11.93 min Scan# 1145
Delta R.T. 0.02 min
Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

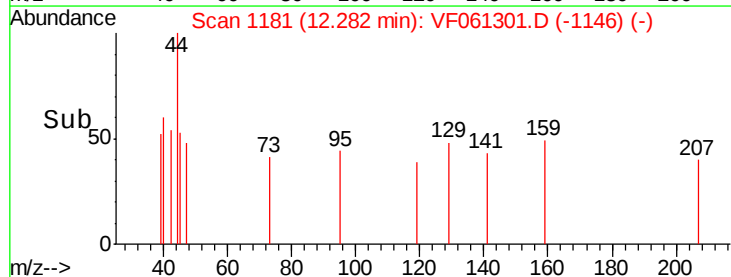
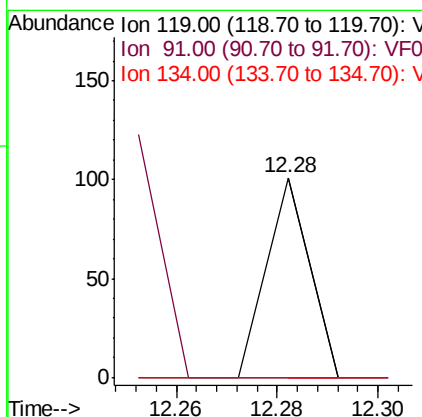
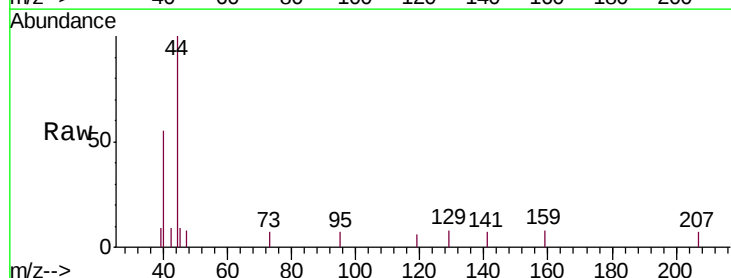
Instrument :
MSVOA_F
ClientSampled :
SP-1-4

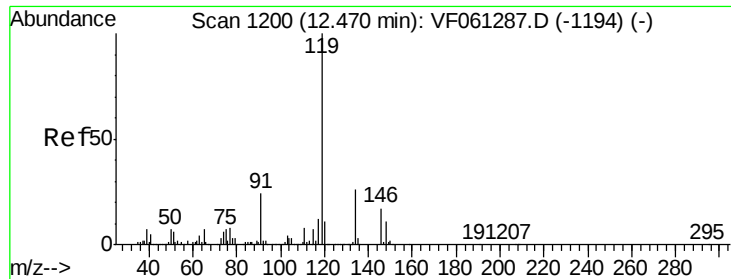
Tgt Ion: 91 Resp: 140
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.4#



#83
tert-Butylbenzene
Concen: 14.335 ug/l
RT: 12.28 min Scan# 1181
Delta R.T. 0.15 min
Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

Tgt Ion: 119 Resp: 60
Ion Ratio Lower Upper
119 100
91 0.0 30.8 92.4#
134 0.0 11.9 35.9#

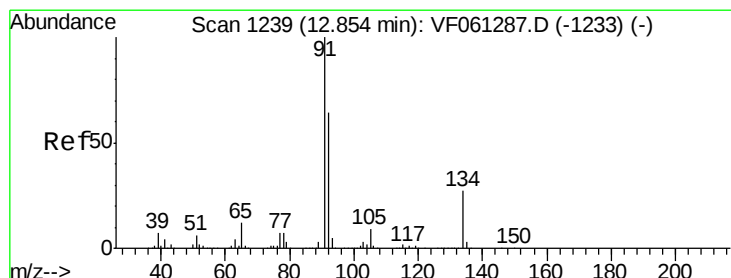
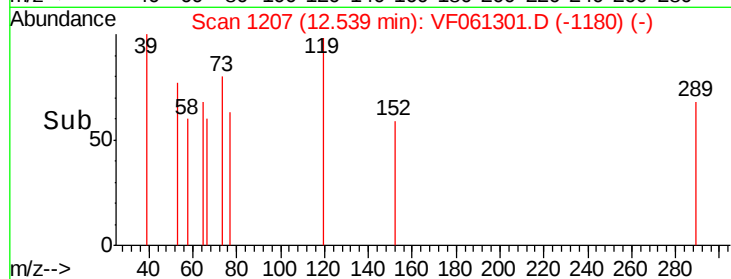
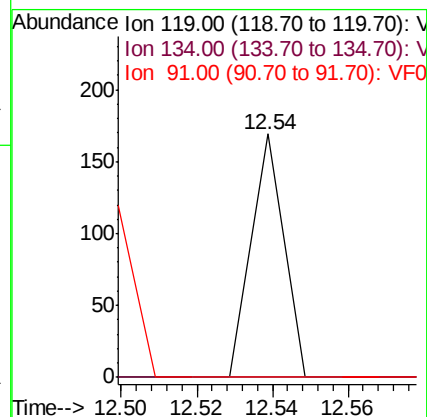
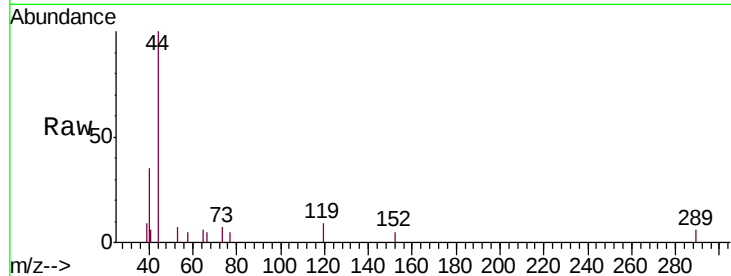




#86
 p-Isopropyltoluene
 Concen: 20.630 ug/l
 RT: 12.54 min Scan# 1207
 Delta R.T. 0.07 min
 Lab File: VF061301.D
 Acq: 9 Jan 2019 15:14

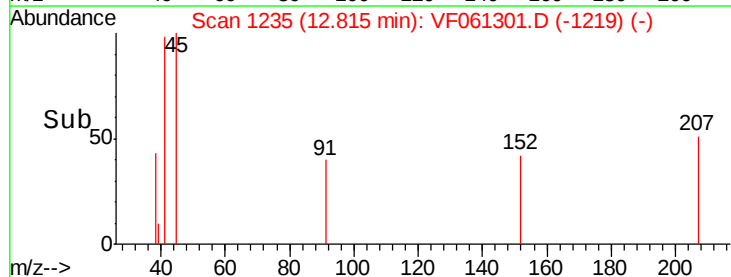
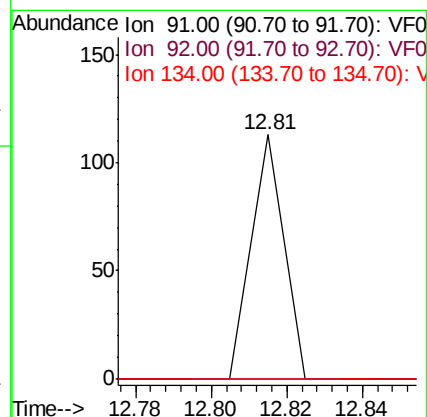
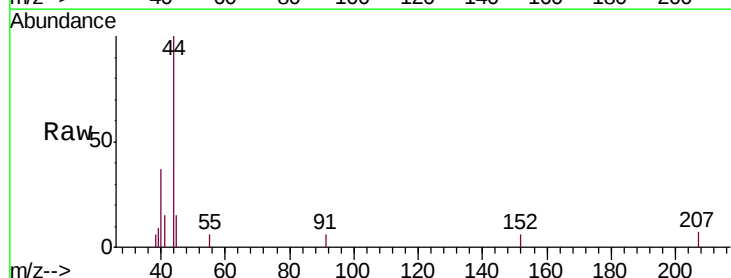
Instrument :
 MSVOA_F
 ClientSampleId :
 SP-1-4

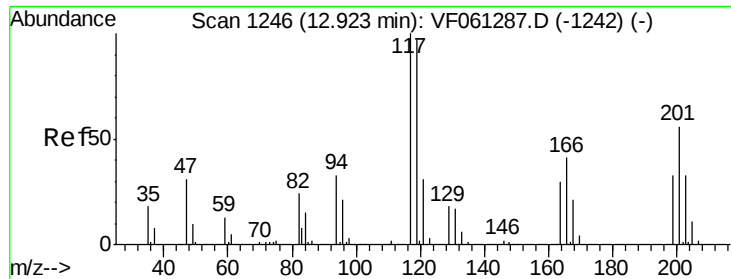
Tgt Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.0	39.0#
91	0.0	12.2	36.4#



#89
 n-Butylbenzene
 Concen: 13.452 ug/l
 RT: 12.81 min Scan# 1235
 Delta R.T. -0.04 min
 Lab File: VF061301.D
 Acq: 9 Jan 2019 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	32.1	96.3#
134	0.0	13.4	40.1#

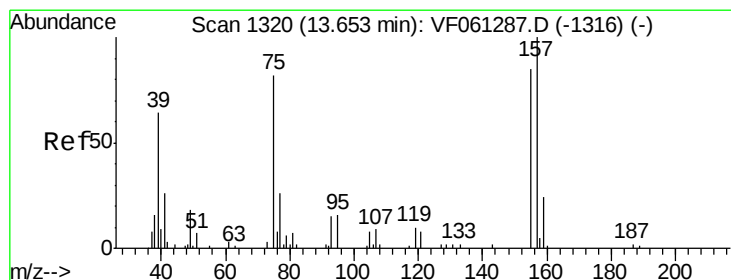
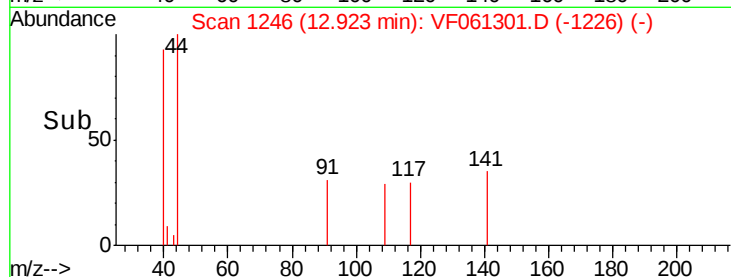
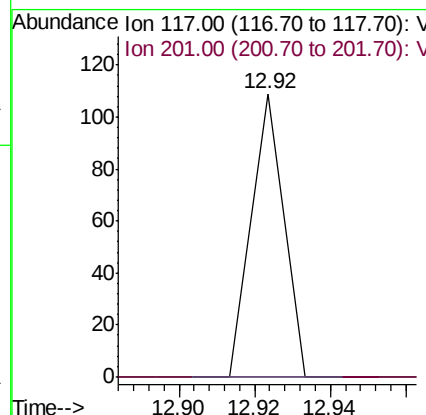
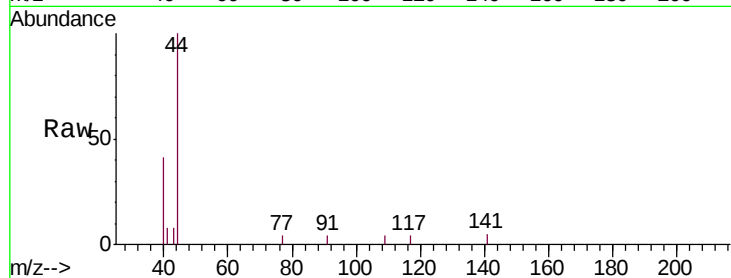




#90
Hexachloroethane
Concen: 58.620 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

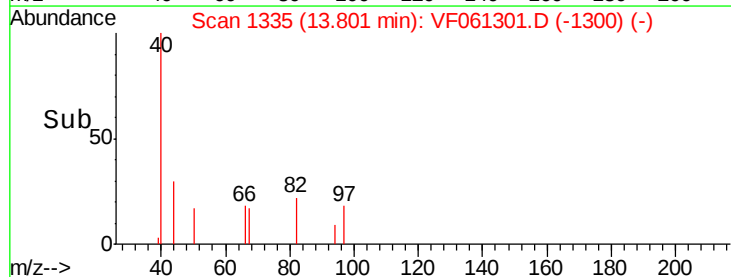
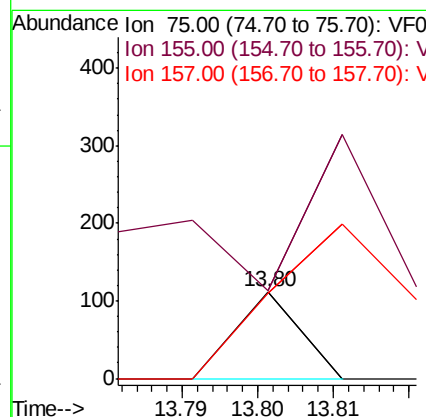
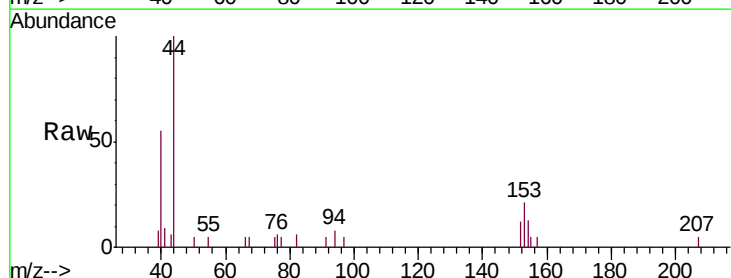
Instrument :
MSVOA_F
ClientSampleId :
SP-1-4

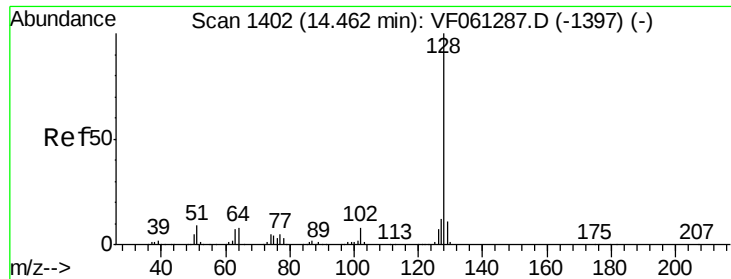
Tgt Ion: 117 Resp: 65
Ion Ratio Lower Upper
117 100
201 0.0 27.9 83.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 466.619 ug/l
RT: 13.80 min Scan# 1335
Delta R.T. 0.15 min
Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
155 100.9 51.3 154.0
157 98.2 60.7 182.0





#95
Naphthalene
Concen: 23.631 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061301.D
Acq: 9 Jan 2019 15:14

Instrument :
MSVOA_F
ClientSampleId :
SP-1-4

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.0#
129	0.0	8.8	13.2#

