

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061880.D
 Acq On : 8 Mar 2019 23:35
 Operator : VA/AP
 Sample : K1807-31
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-13

Quant Time: Mar 09 00:48:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

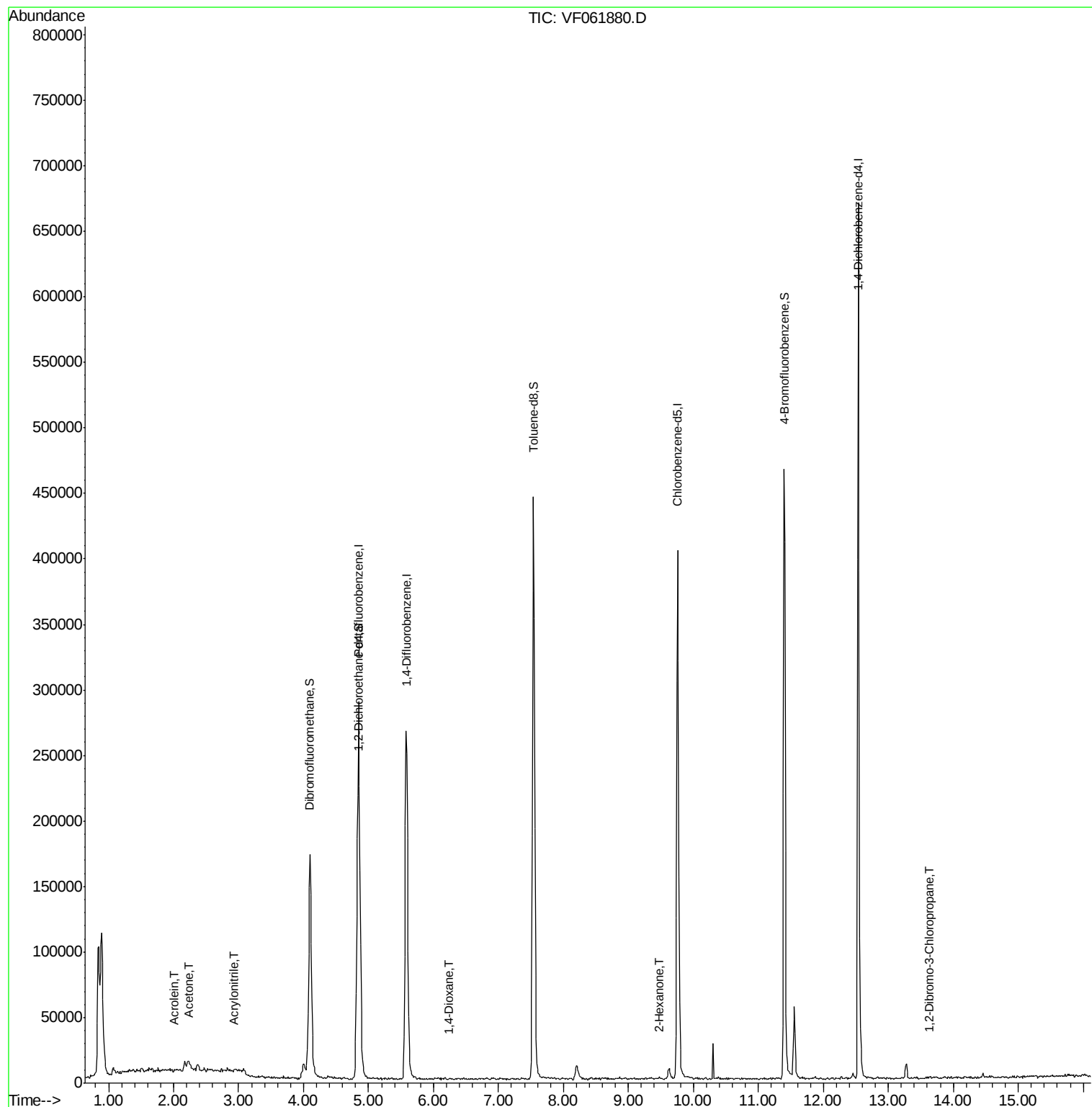
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	219178	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	337323	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	310790	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	187354	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	111217	69.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	139.36%	
35) Dibromofluoromethane	4.10	113	159906	67.93	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	135.86%	
50) Toluene-d8	7.54	98	398960	57.02	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.04%	
62) 4-Bromofluorobenzene	11.40	95	182996	66.76	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	133.52%	
Target Compounds						
					Qvalue	
13) Acrolein	2.02	56	244	2.126	ug/l	97
15) Acrylonitrile	2.94	53	298	1.033	ug/l #	1
16) Acetone	2.25	43	3644	10.899	ug/l #	50
18) Methyl Acetate	2.47	43	776	Below Cal		94
20) Methylene Chloride	2.18	84	3042	Below Cal	#	75
49) 1,4-Dioxane	6.23	88	72	7.549	ug/l #	1
59) 2-Hexanone	9.48	43	895	1.089	ug/l	65
92) 1,2-Dibromo-3-Chloropropan	13.62	75	183	4.222	ug/l #	1

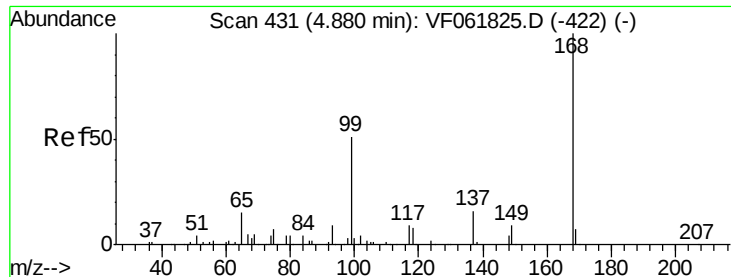
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061880.D

Acq: 8 Mar 2019 23:35

Instrument :

MSVOA_F

ClientSampled :

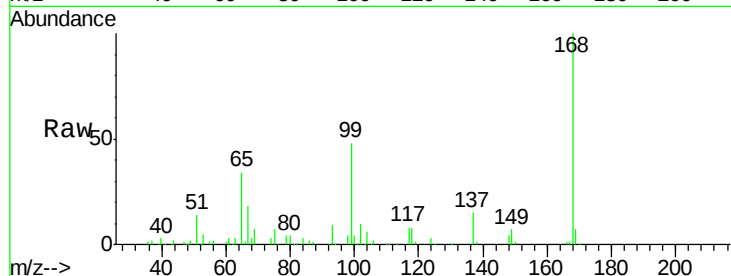
TP-13

Tot Ion:168 Resp: 219178

Ion Ratio Lower Upper

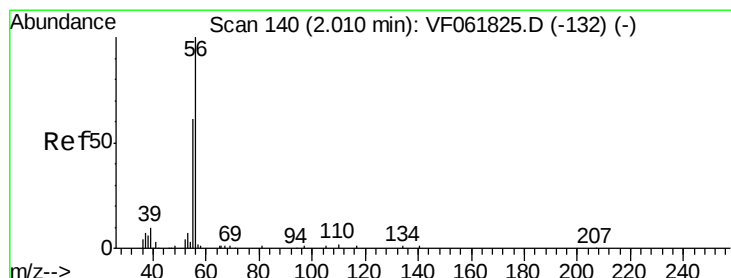
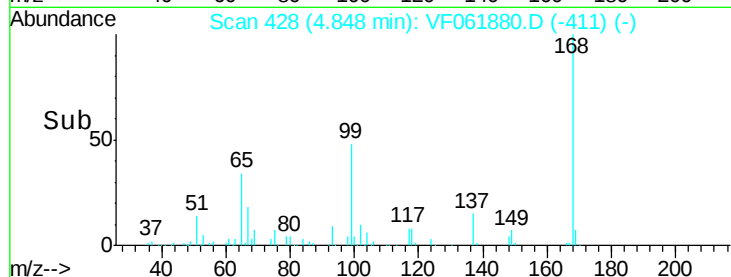
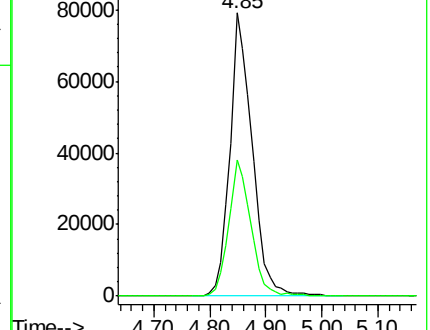
168 100

99 47.9 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#13

Acrolein

Concen: 2.126 ug/l

RT: 2.02 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF061880.D

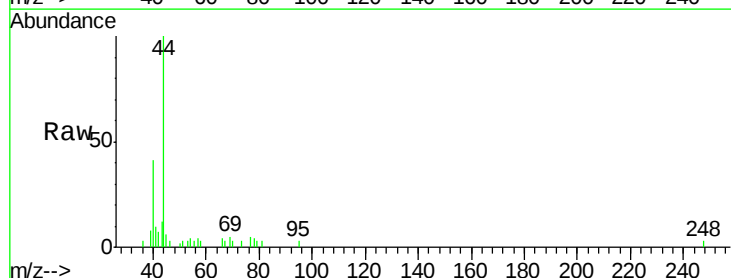
Acq: 8 Mar 2019 23:35

Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

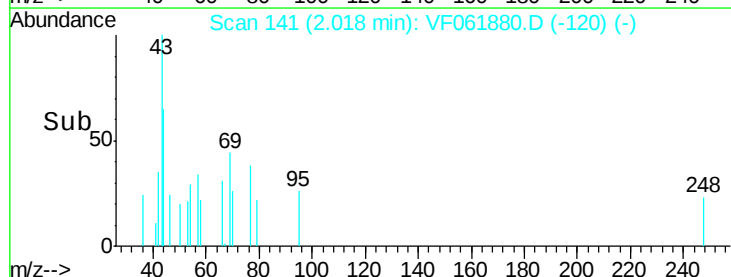
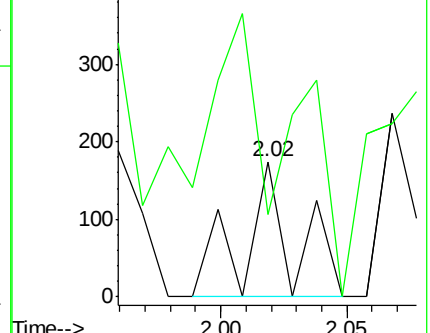
56 100

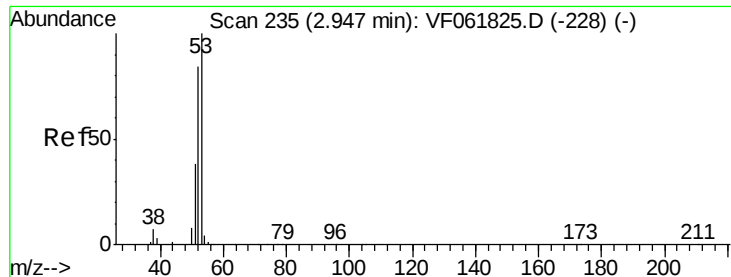
55 61.5 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#15

Acrylonitrile

Concen: 1.033 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF061880.D

Acq: 8 Mar 2019 23:35

Instrument :

MSVOA_F

ClientSampled :

TP-13

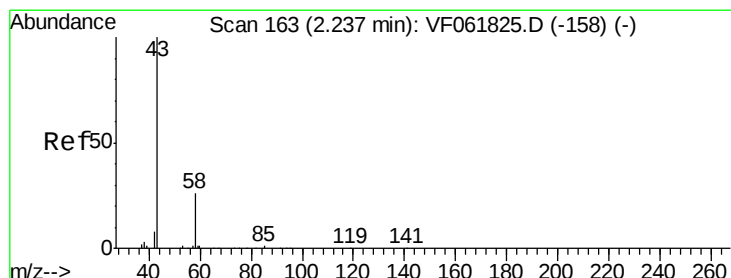
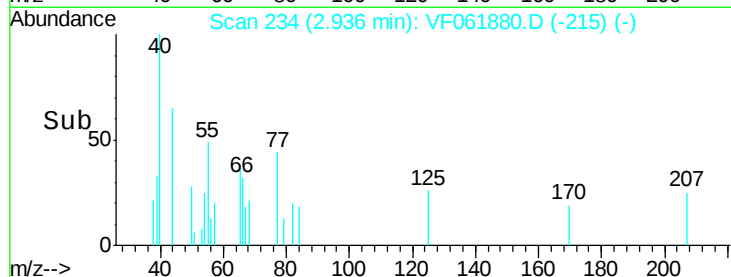
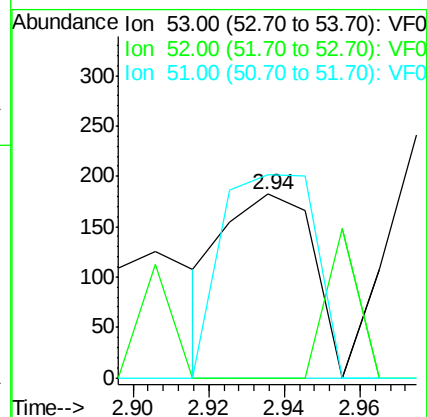
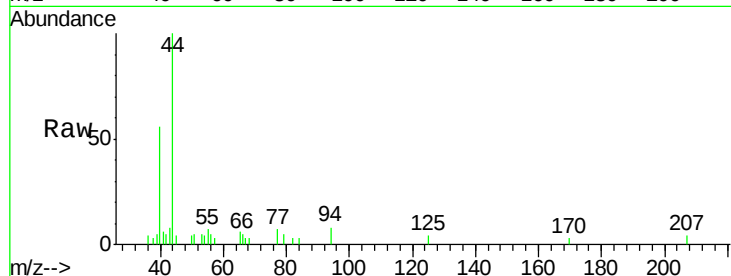
Tot Ion: 53 Resp: 298

Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 111.0 30.7 46.1#



#16

Acetone

Concen: 10.899 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061880.D

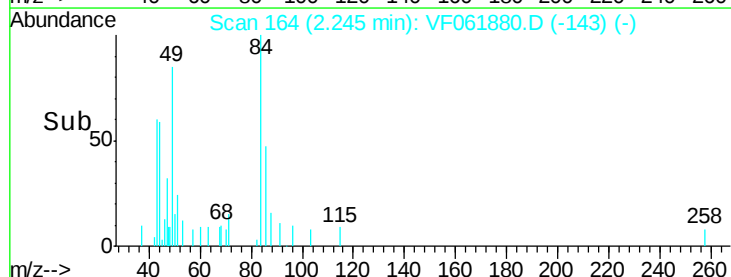
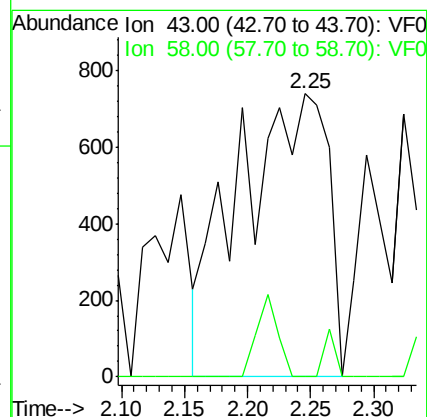
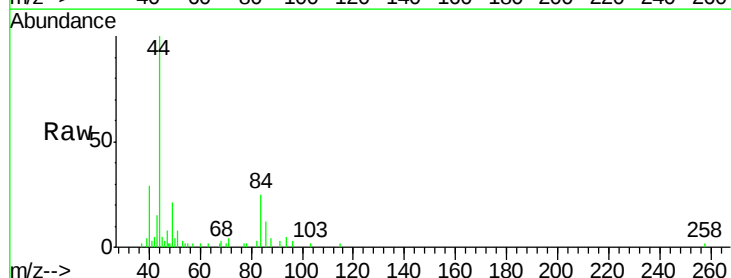
Acq: 8 Mar 2019 23:35

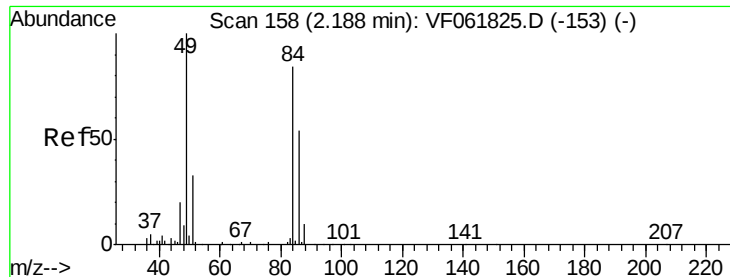
Tgt Ion: 43 Resp: 3644

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#

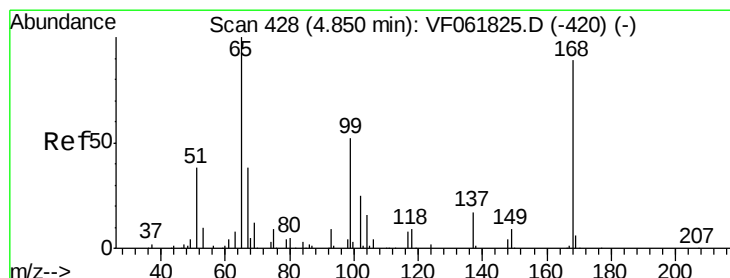
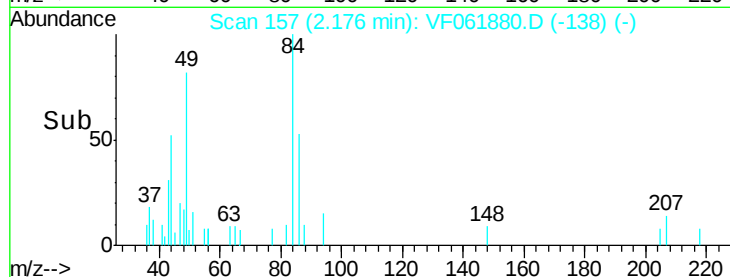
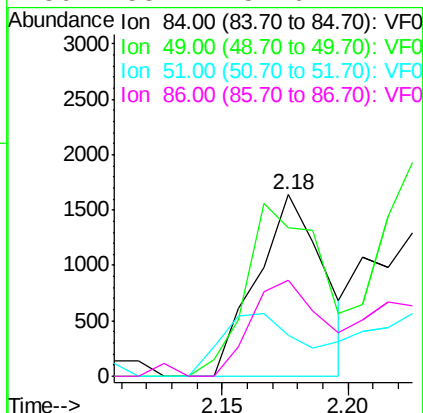
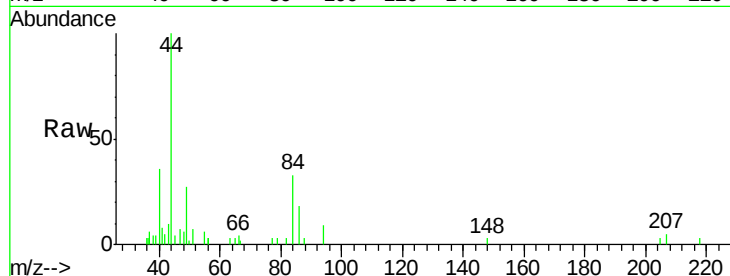




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061880.D
Acq: 8 Mar 2019 23:35

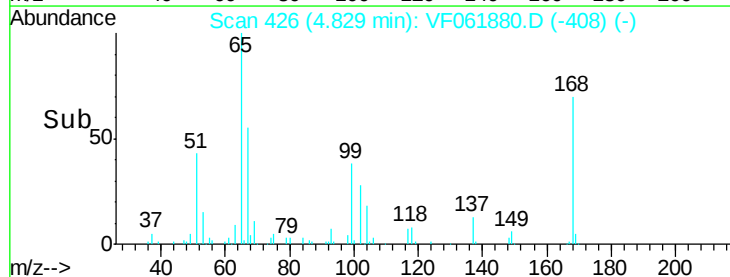
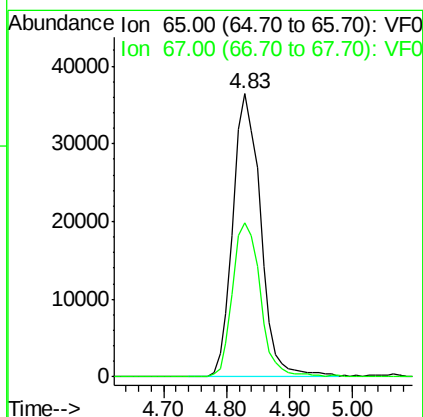
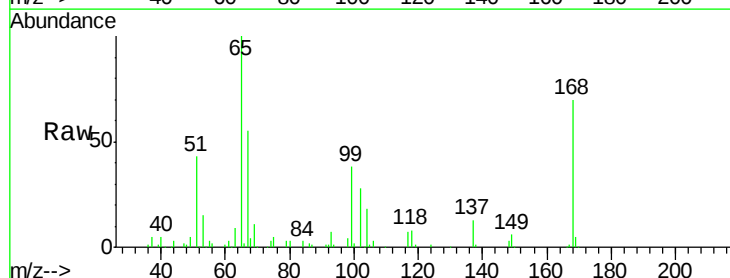
Instrument :
MSVOA_F
ClientSampleId :
TP-13

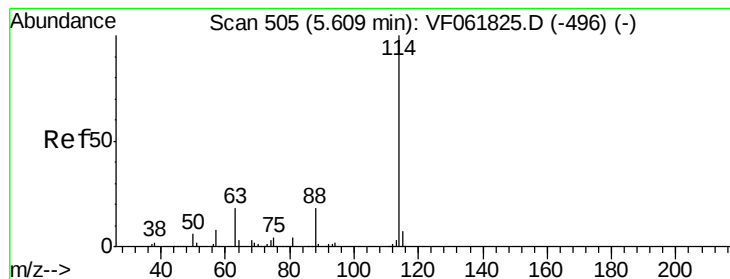
Tot Ion: 84 Resp: 3042
Ion Ratio Lower Upper
84 100
49 89.0 96.8 145.2#
51 22.4 31.8 47.6#
86 53.1 51.6 77.4



#33
1,2-Dichloroethane-d4
Concen: 69.678 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061880.D
Acq: 8 Mar 2019 23:35

Tgt Ion: 65 Resp: 111217
Ion Ratio Lower Upper
65 100
67 54.6 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061880.D

Acq: 8 Mar 2019 23:35

Instrument :

MSVOA_F

ClientSampleId :

TP-13

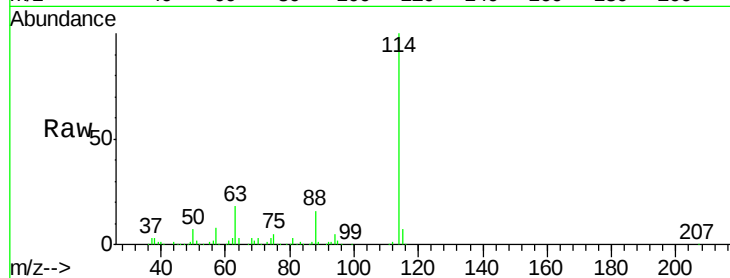
Tot Ion:114 Resp: 337323

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

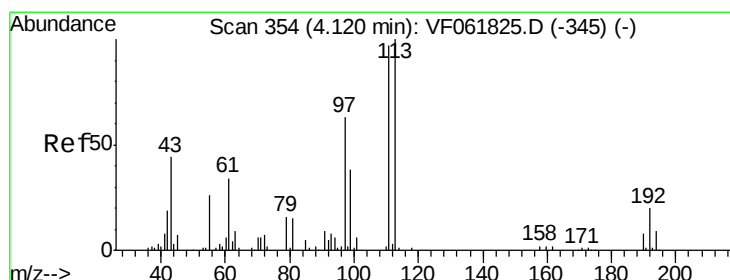
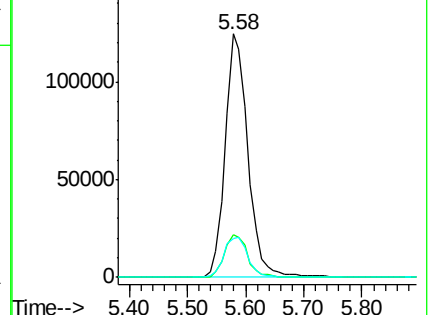
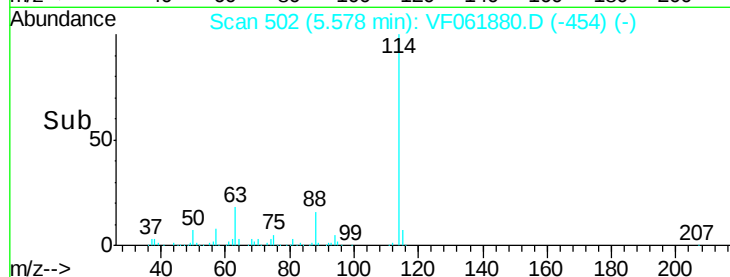
88 16.2 0.0 35.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 67.927 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061880.D

Acq: 8 Mar 2019 23:35

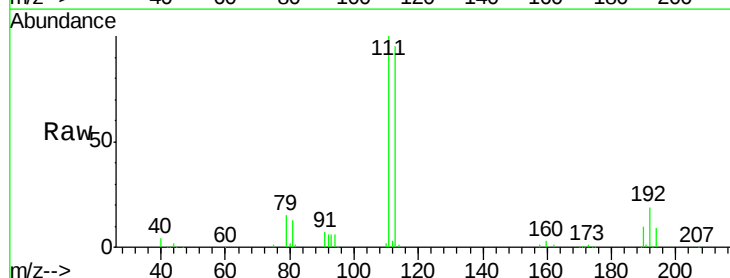
Tgt Ion:113 Resp: 159906

Ion Ratio Lower Upper

113 100

111 105.0 77.6 116.4

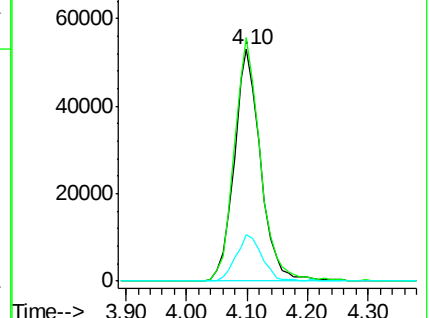
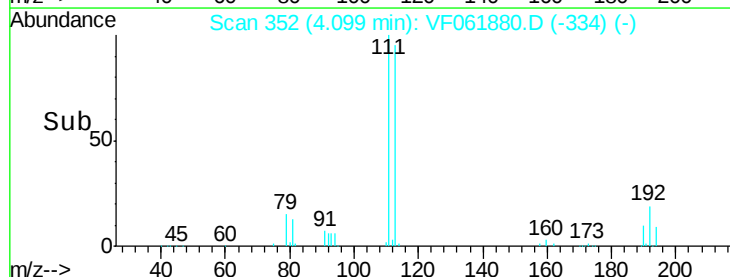
192 20.0 15.9 23.9

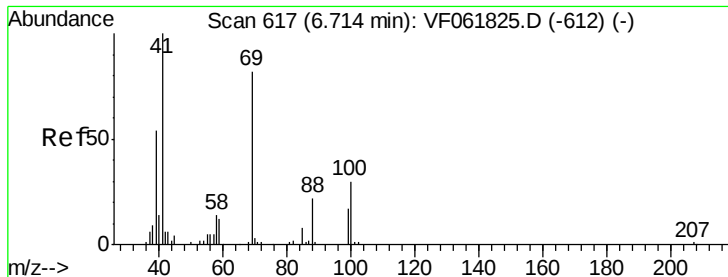


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 7.549 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.48 min

Lab File: VF061880.D

Acq: 8 Mar 2019 23:35

Instrument :

MSVOA_F

ClientSampled :

TP-13

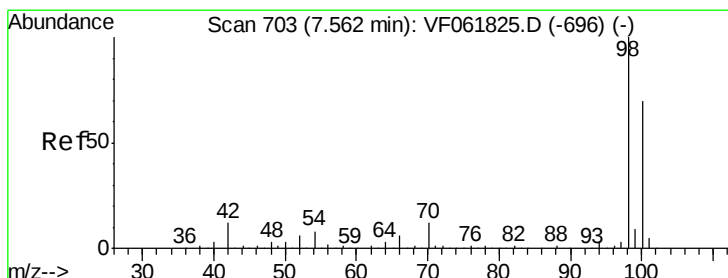
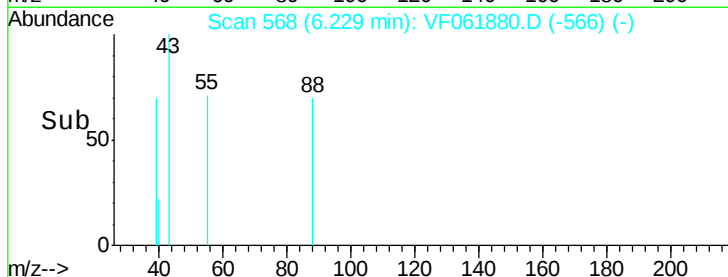
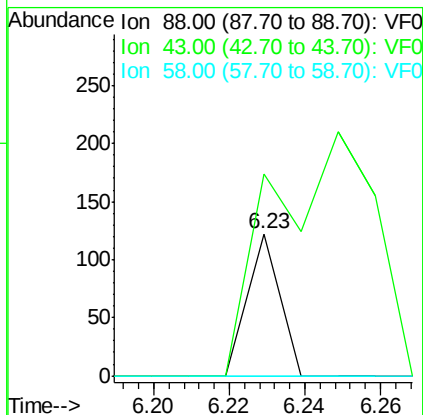
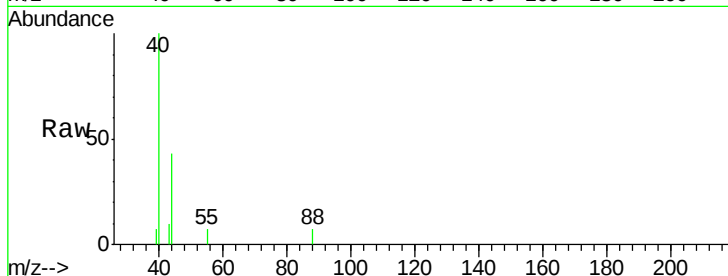
Tot Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 142.6 28.4 42.6#

58 0.0 50.7 76.1#



#50

Toluene-d8

Concen: 57.019 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061880.D

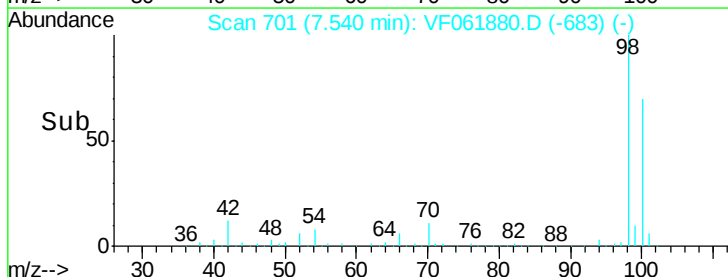
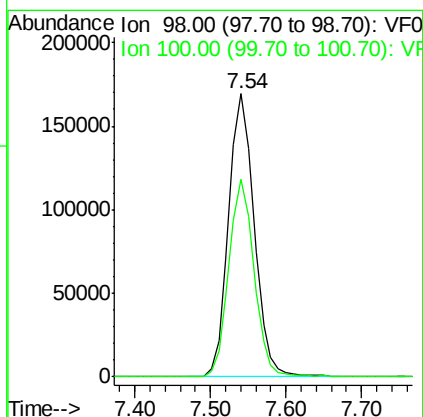
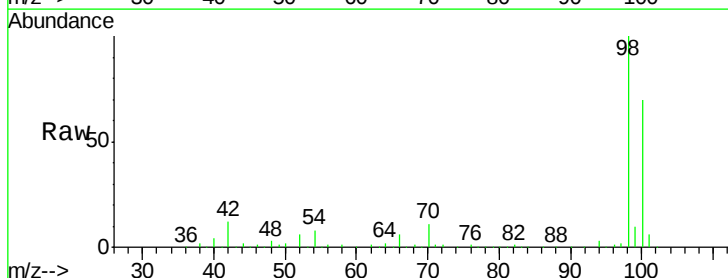
Acq: 8 Mar 2019 23:35

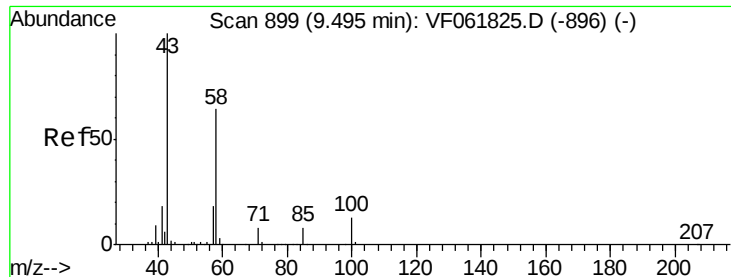
Tgt Ion: 98 Resp: 398960

Ion Ratio Lower Upper

98 100

100 70.0 56.0 84.0

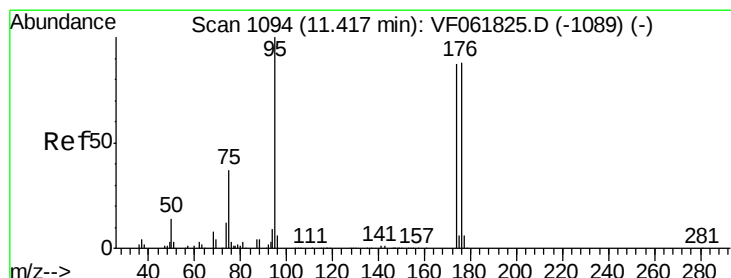
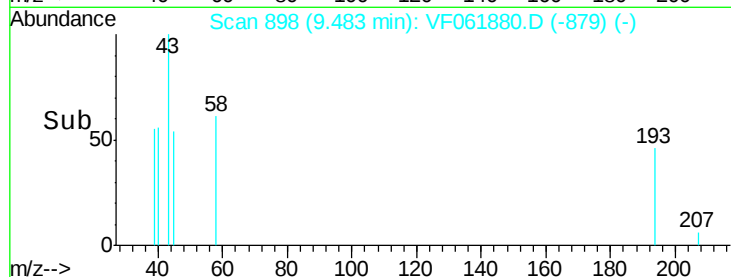
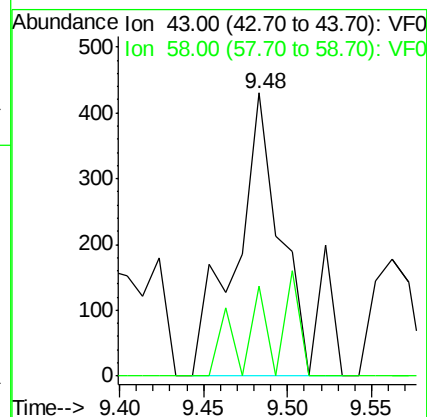
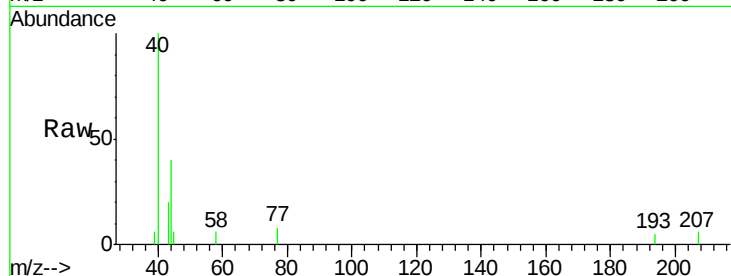




#59
2-Hexanone
Concen: 1.089 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061880.D
Acq: 8 Mar 2019 23:35

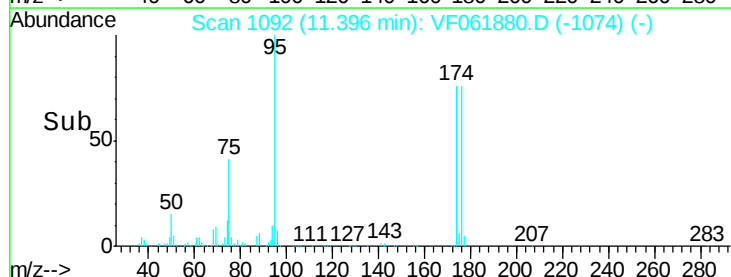
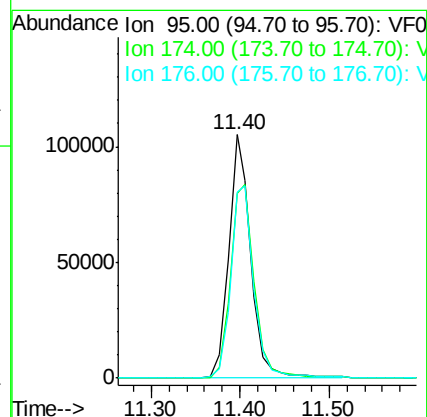
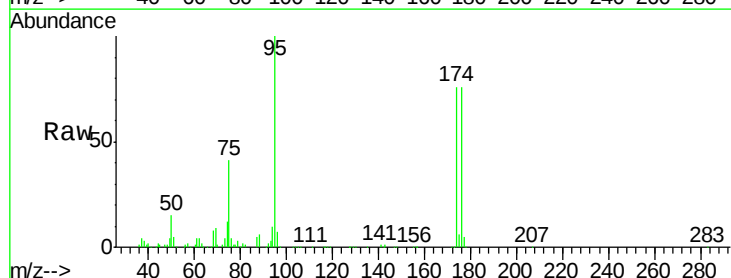
Instrument :
MSVOA_F
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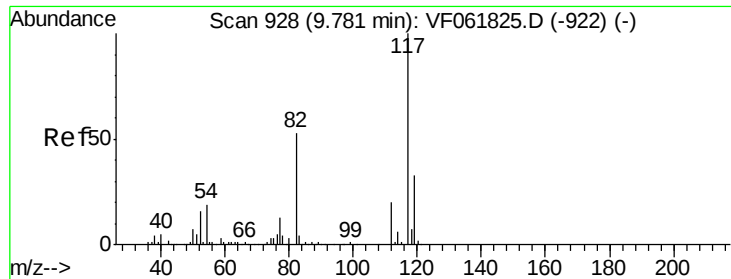
Tot Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
58 31.6 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 66.765 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061880.D
Acq: 8 Mar 2019 23:35

Tgt Ion: 95 Resp: 182996
Ion Ratio Lower Upper
95 100
174 76.0 0.0 174.0
176 76.4 0.0 175.2

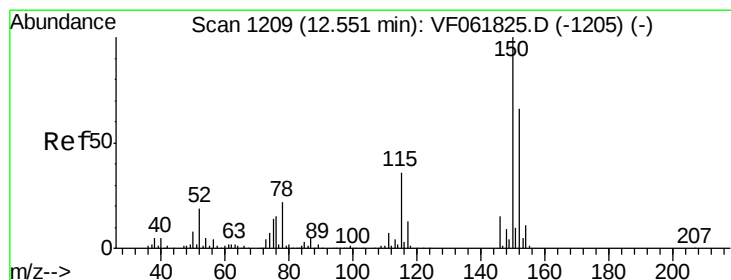
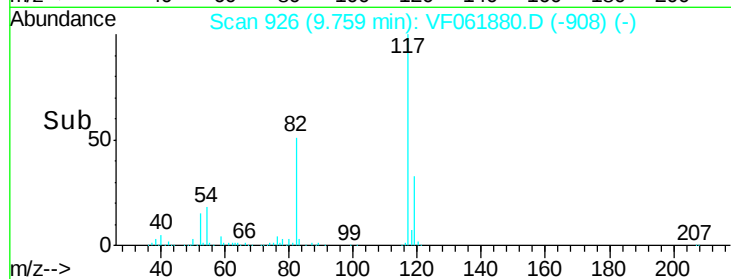
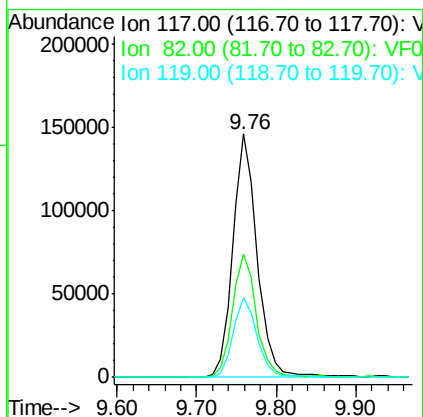
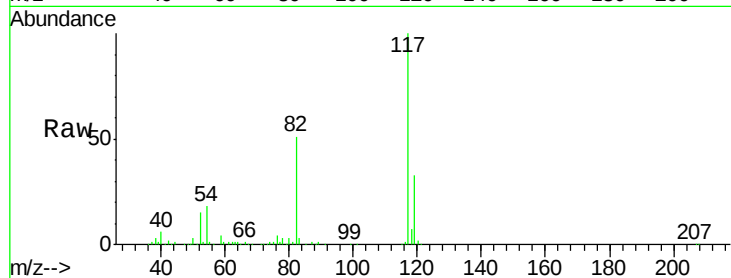




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061880.D
Acq: 8 Mar 2019 23:35

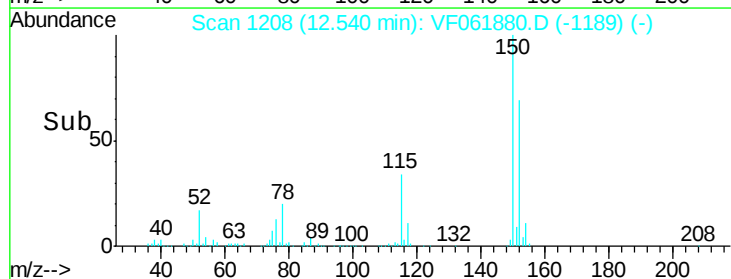
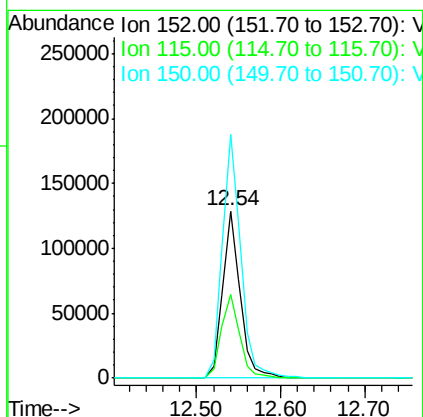
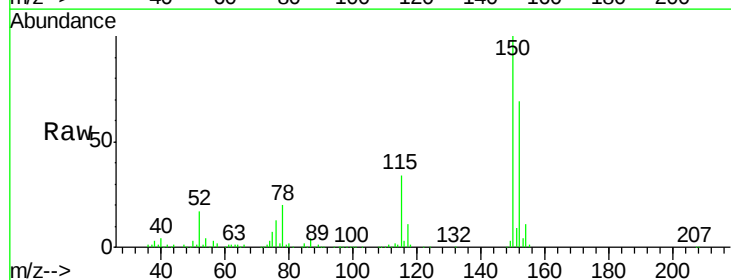
Instrument :
MSVOA_F
ClientSampleId :
TP-13

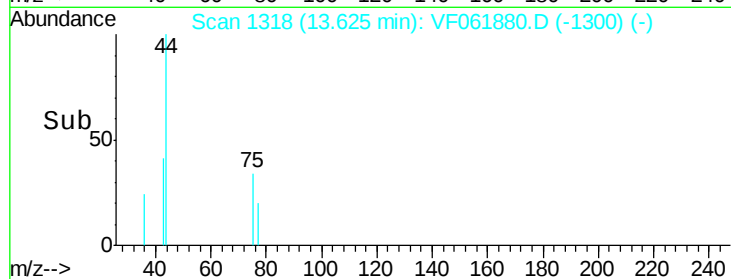
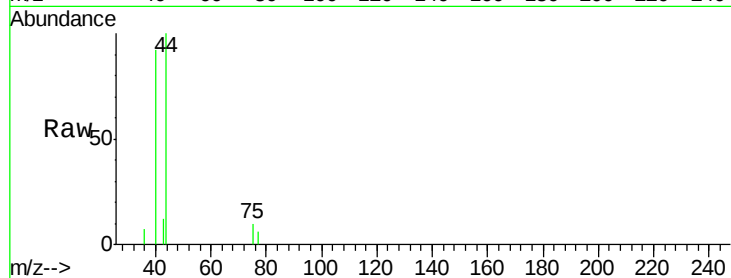
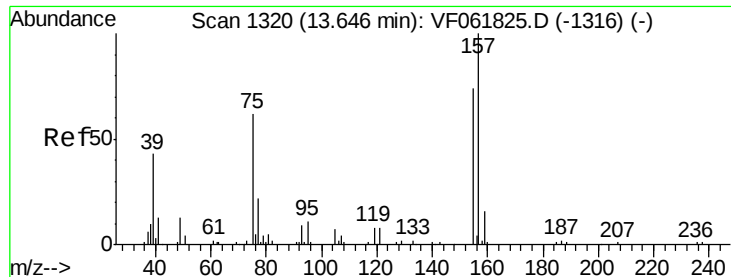
Tot Ion:117 Resp: 310790
Ion Ratio Lower Upper
117 100
82 50.6 42.6 63.8
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061880.D
Acq: 8 Mar 2019 23:35

Tgt Ion:152 Resp: 187354
Ion Ratio Lower Upper
152 100
115 50.2 27.7 83.1
150 145.8 0.0 304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.222 ug/l

RT: 13.62 min Scan# 1318

Delta R.T. -0.02 min

Lab File: VF061880.D

Acq: 8 Mar 2019 23:35

Instrument :

MSVOA_F

ClientSampleId :

TP-13

Tot Ion: 75 Resp: 183

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

