

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031219\
 Data File : VF061912.D
 Acq On : 12 Mar 2019 18:35
 Operator : VA/AP
 Sample : K1697-03
 Misc : 6.14q/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-031119-B

Quant Time: Mar 13 02:08:52 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

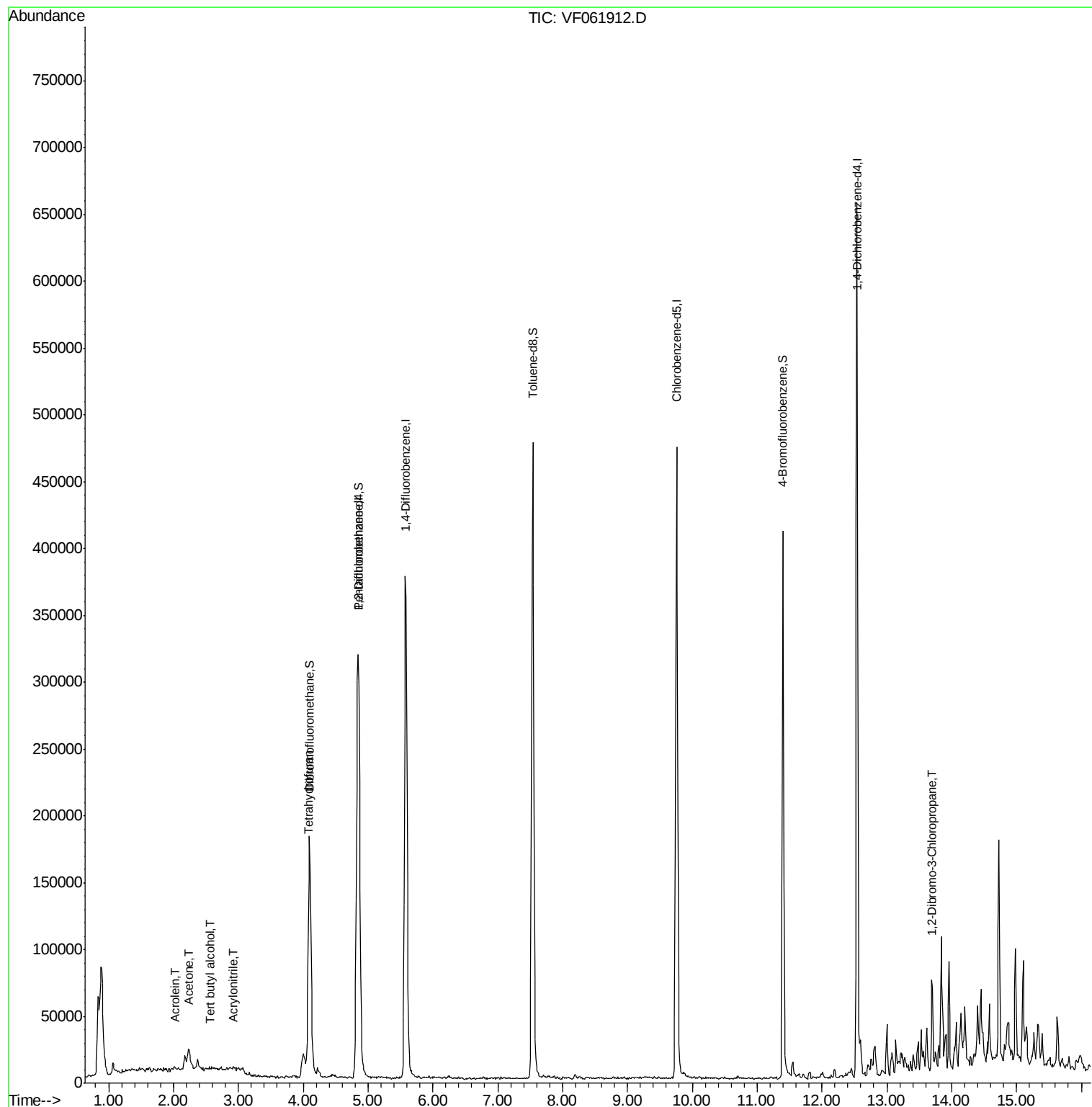
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	288644	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	464740	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	371971	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	175289	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	121570	57.83	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	115.66%	
35) Dibromofluoromethane	4.10	113	173536	53.51	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.02%	
50) Toluene-d8	7.54	98	417748	43.33	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.66%	
62) 4-Bromofluorobenzene	11.40	95	164329	43.52	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	87.04%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.57	59	525	4.400	ug/l #	1
13) Acrolein	2.01	56	386	2.553	ug/l #	1
15) Acrylonitrile	2.92	53	479	1.261	ug/l #	16
16) Acetone	2.23	43	13593	30.871	ug/l	92
18) Methyl Acetate	2.37	43	3570	Below Cal	#	62
20) Methylene Chloride	2.18	84	5101	Below Cal		97
29) Tetrahydrofuran	4.08	42	964	2.496	ug/l #	71
92) 1,2-Dibromo-3-Chloropropan	13.69	75	222	4.357	ug/l #	1

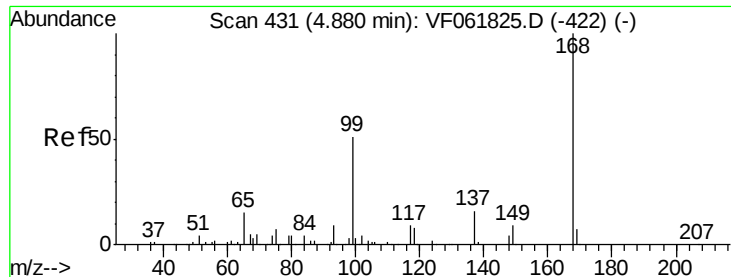
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031219\
Data File : VF061912.D
Acq On : 12 Mar 2019 18:35
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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: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

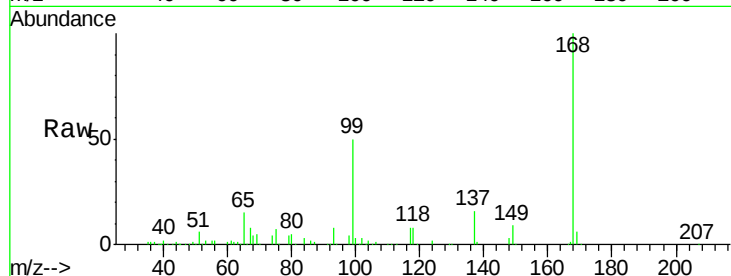
SU-03-031119-B

Tot Ion:168 Resp: 288644

Ion Ratio Lower Upper

168 100

99 49.6 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

60000

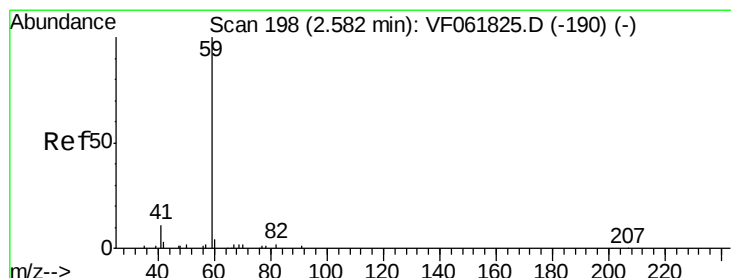
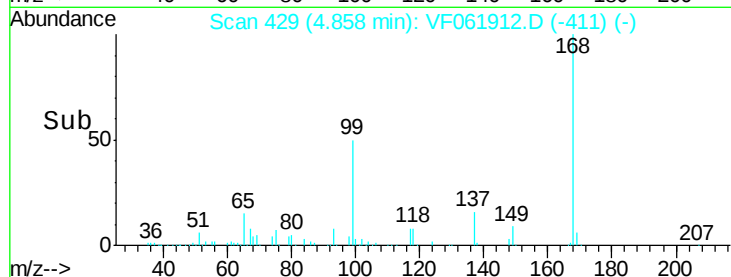
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 4.400 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061912.D

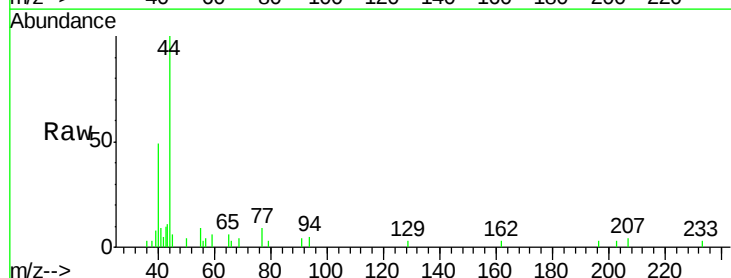
Acq: 12 Mar 2019 18:35

Tgt Ion: 59 Resp: 525

Ion Ratio Lower Upper

59 100

57 60.3 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

300

250

200

150

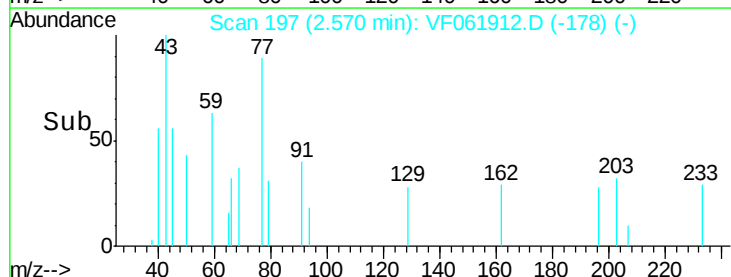
100

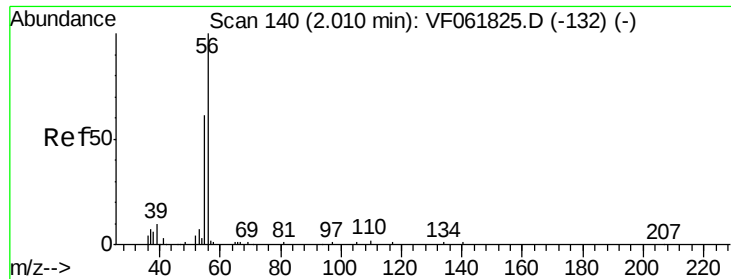
50

0

2.50 2.55 2.60

Time-->





#13

Acrolein

Concen: 2.553 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

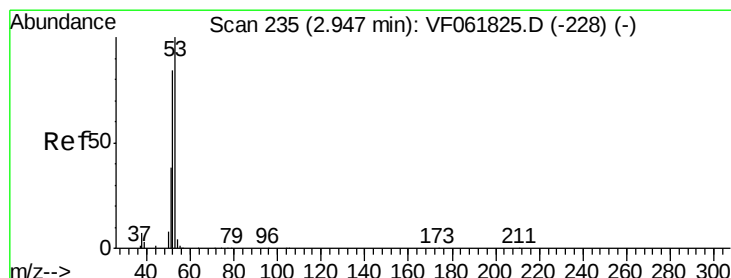
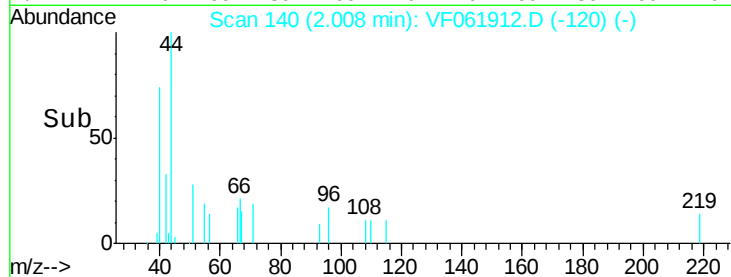
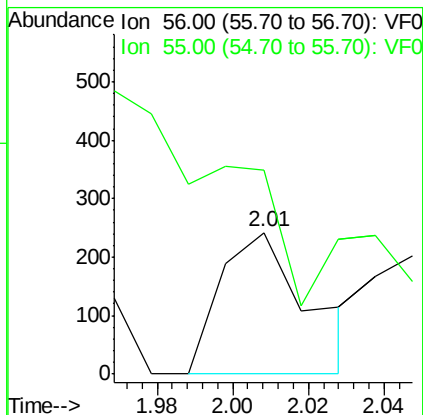
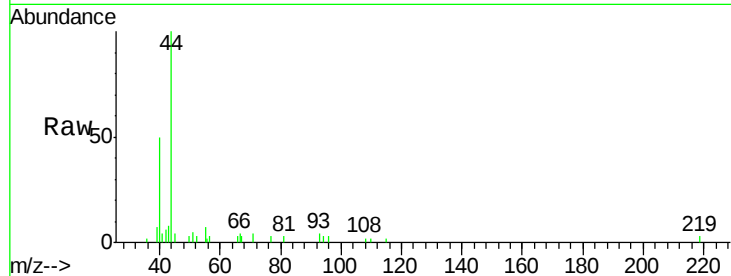
SU-03-031119-B

Tot Ion: 56 Resp: 386

Ion Ratio Lower Upper

56 100

55 143.8 51.3 76.9#



#15

Acrylonitrile

Concen: 1.261 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

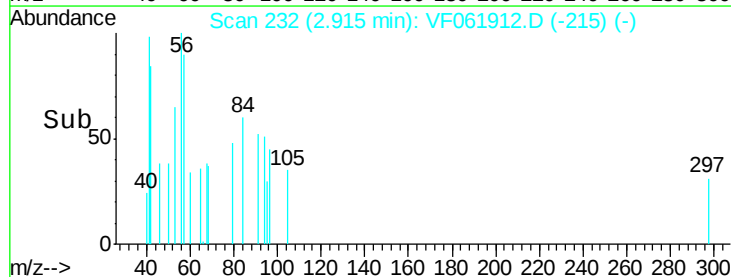
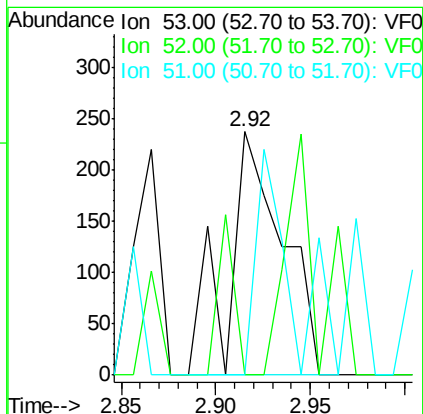
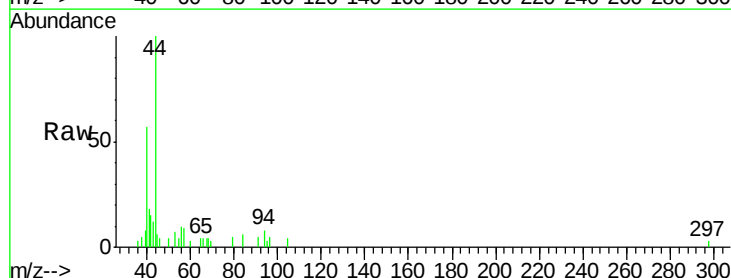
Tgt Ion: 53 Resp: 479

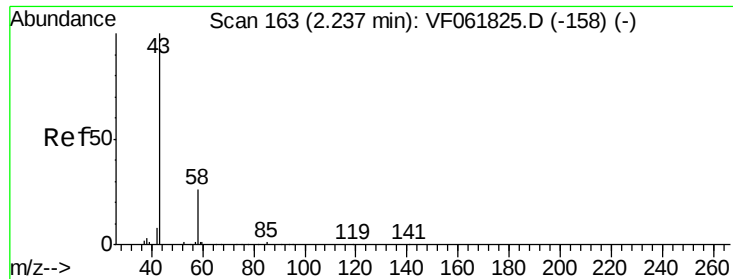
Ion Ratio Lower Upper

53 100

52 0.0 67.4 101.0#

51 0.0 30.7 46.1#





#16

Acetone

Concen: 30.871 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

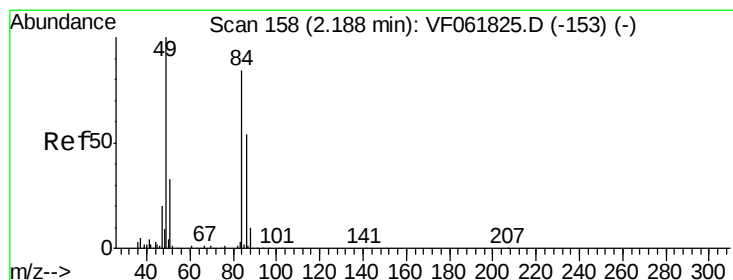
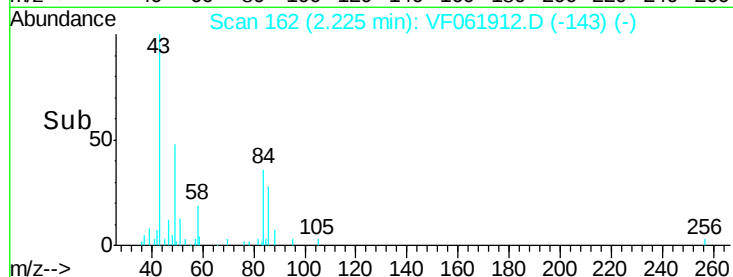
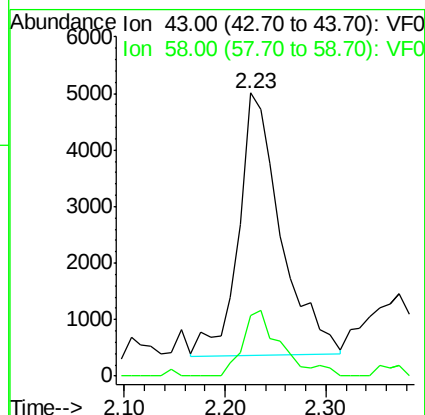
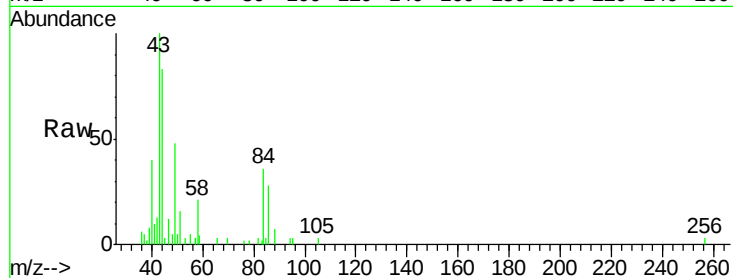
SU-03-031119-B

Tot Ion: 43 Resp: 13593

Ion Ratio Lower Upper

43 100

58 21.5 20.3 30.5



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Tgt Ion: 84 Resp: 5101

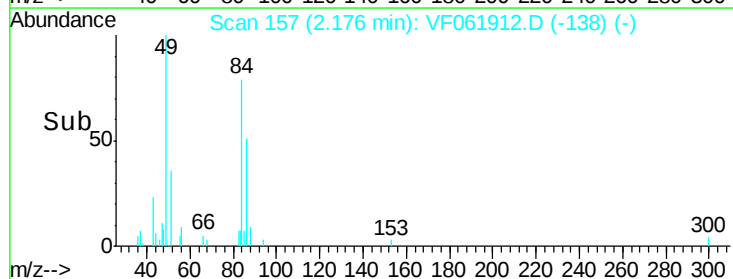
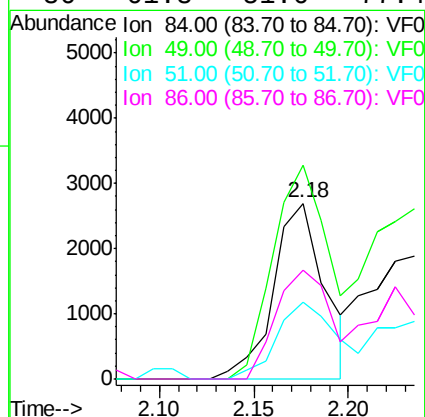
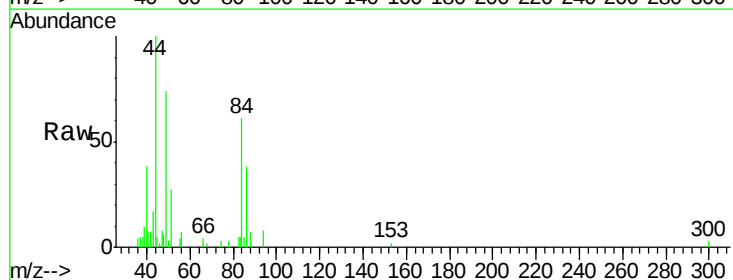
Ion Ratio Lower Upper

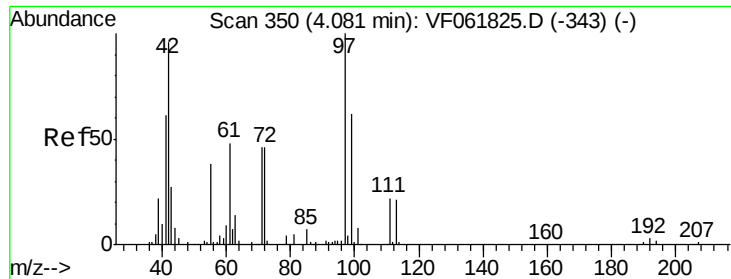
84 100

49 121.8 96.8 145.2

51 44.0 31.8 47.6

86 61.8 51.6 77.4

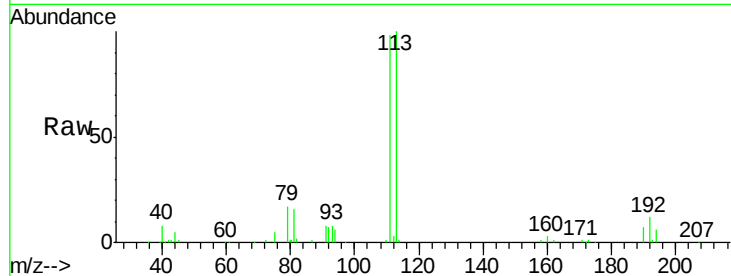




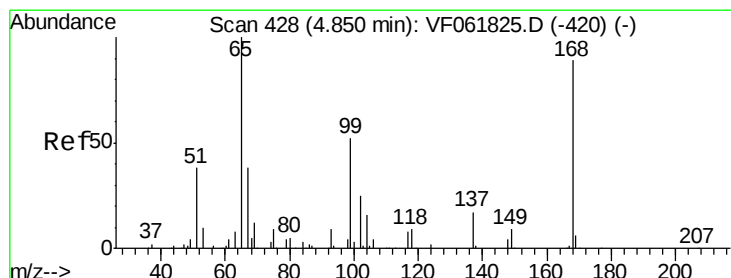
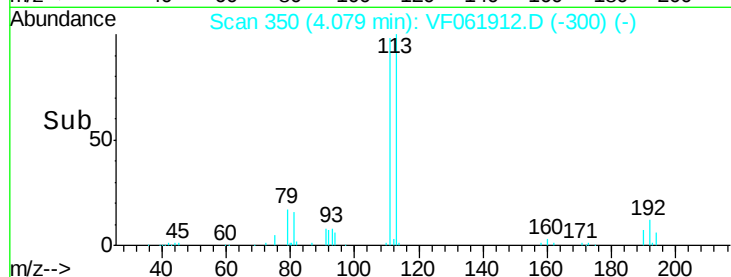
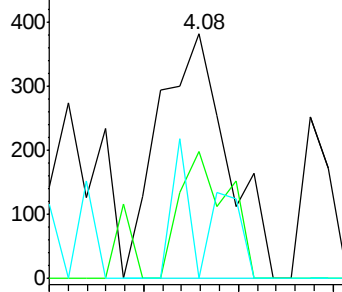
#29
Tetrahydrofuran
Concen: 2.496 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061912.D
Acq: 12 Mar 2019 18:35

Instrument :
MSVOA_F
ClientSampleId :
SU-03-031119-B

Tot Ion: 42 Resp: 964
Ion Ratio Lower Upper
42 100
72 36.4 34.4 51.6
71 13.3 34.6 52.0#

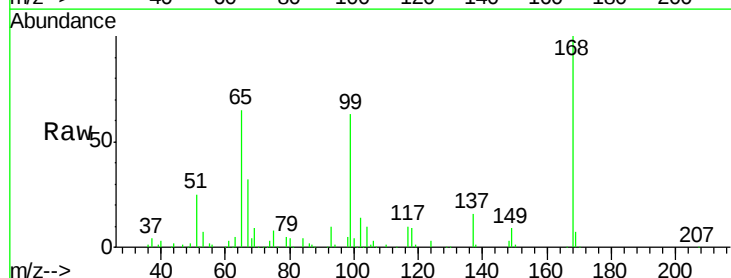


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

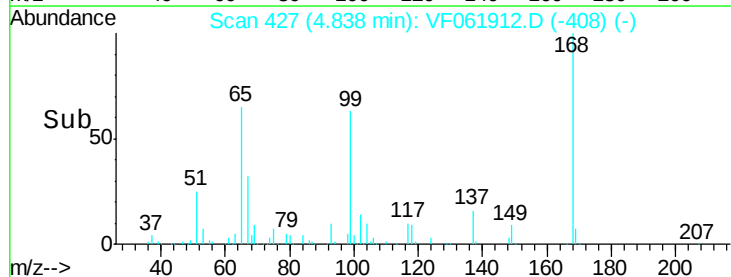
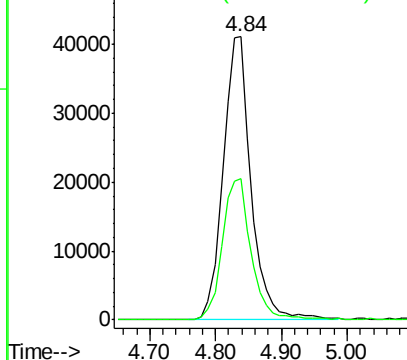


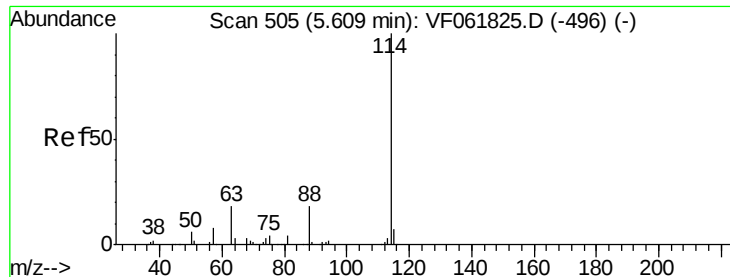
#33
1,2-Dichloroethane-d4
Concen: 57.834 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.01 min
Lab File: VF061912.D
Acq: 12 Mar 2019 18:35

Tgt Ion: 65 Resp: 121570
Ion Ratio Lower Upper
65 100
67 49.9 0.0 108.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

SU-03-031119-B

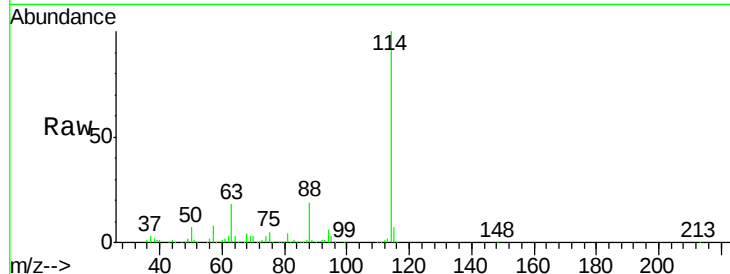
Tot Ion:114 Resp: 464740

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

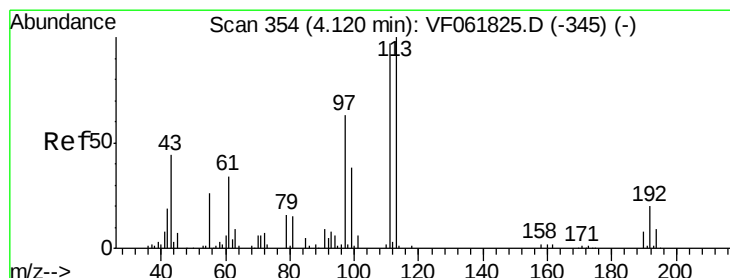
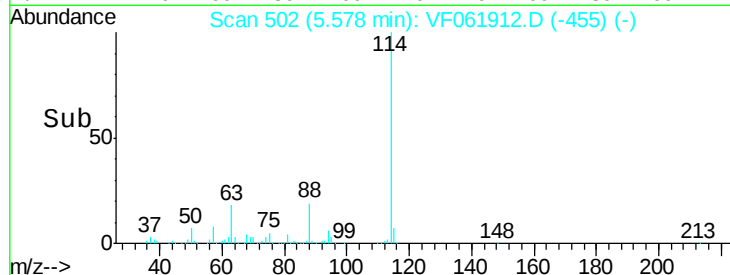
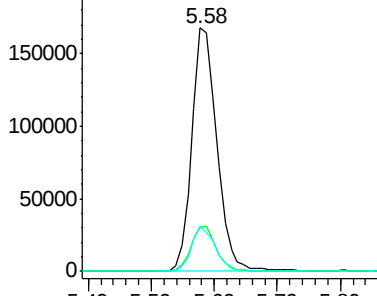
88 18.7 0.0 35.6



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: 53.506 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

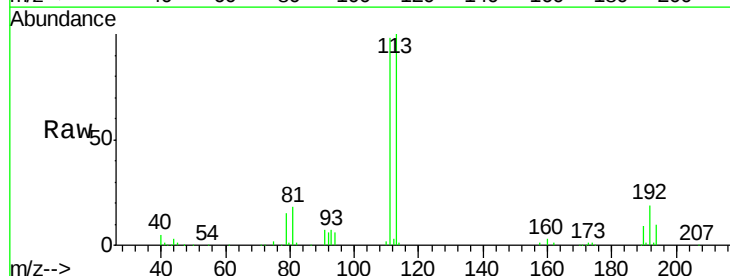
Tgt Ion:113 Resp: 173536

Ion Ratio Lower Upper

113 100

111 98.4 77.6 116.4

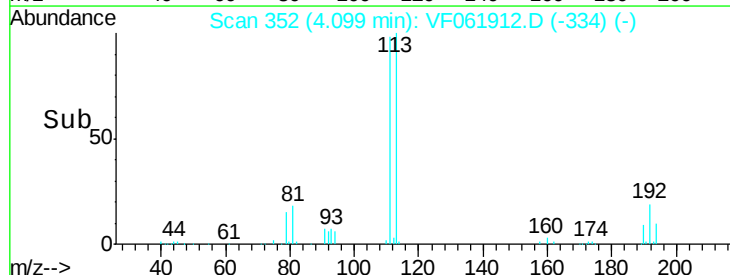
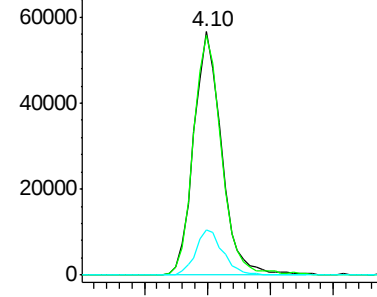
192 18.6 15.9 23.9

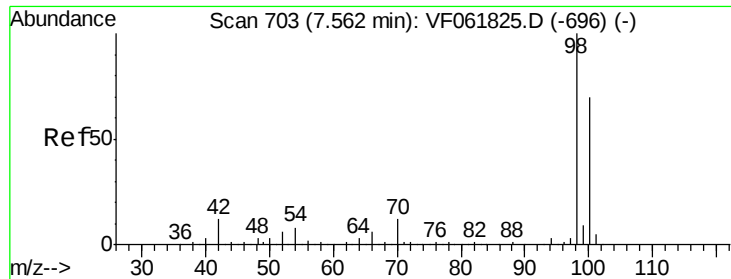


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

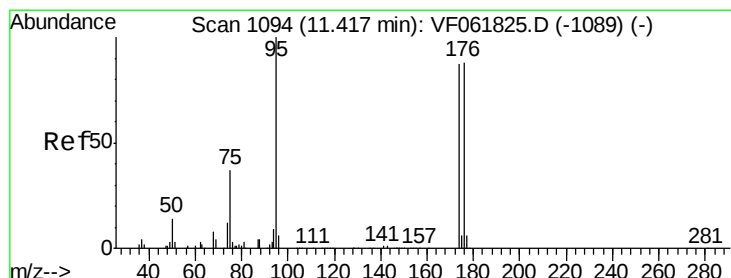
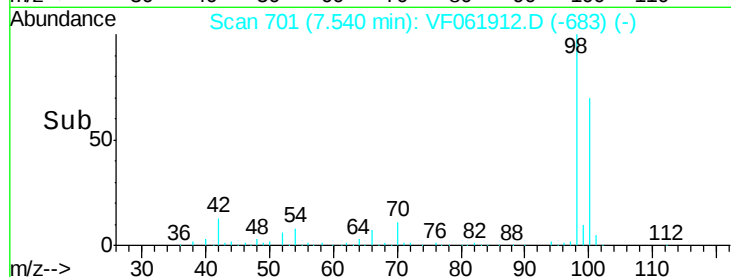
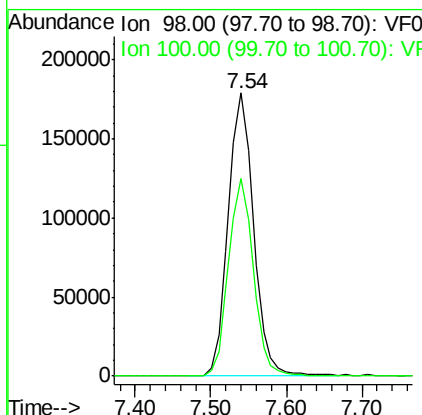
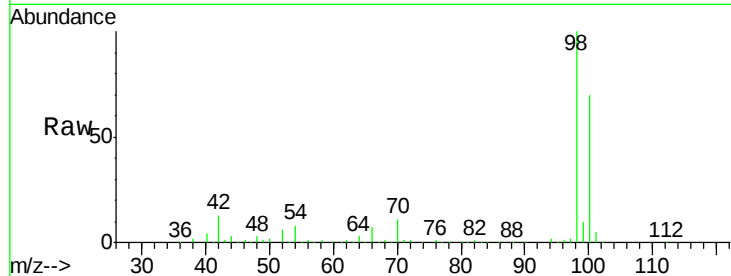




#50
Toluene-d8
Concen: 43.335 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061912.D
Acq: 12 Mar 2019 18:35

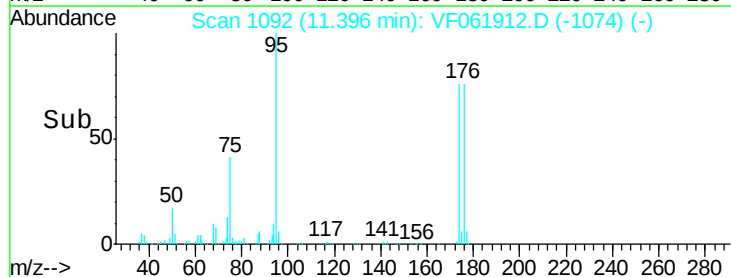
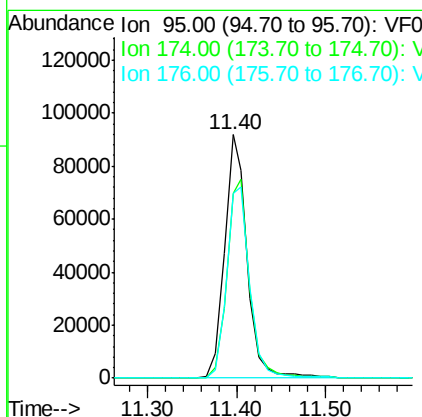
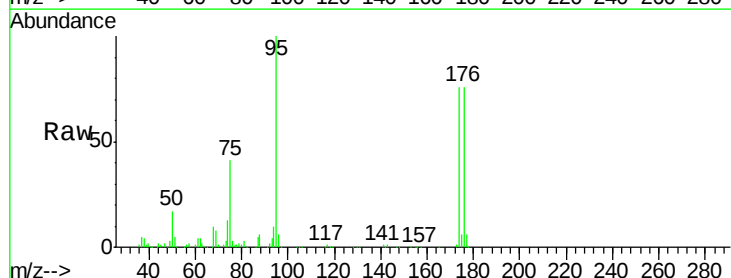
Instrument :
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SU-03-031119-B

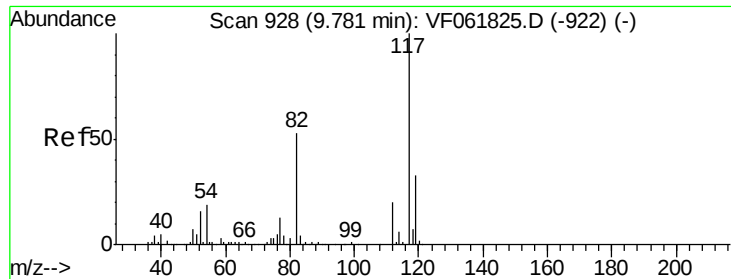
Tot Ion: 98 Resp: 417748
Ion Ratio Lower Upper
98 100
100 69.6 56.0 84.0



#62
4-Bromofluorobenzene
Concen: 43.517 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061912.D
Acq: 12 Mar 2019 18:35

Tgt Ion: 95 Resp: 164329
Ion Ratio Lower Upper
95 100
174 76.1 0.0 174.0
176 76.1 0.0 175.2

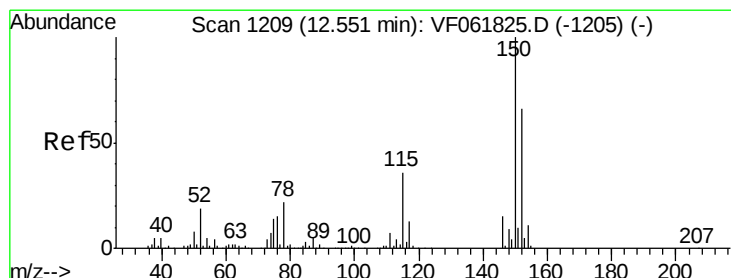
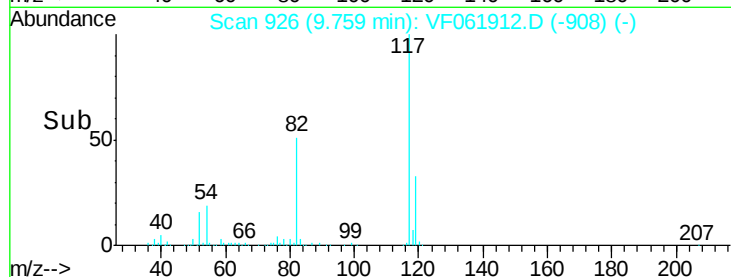
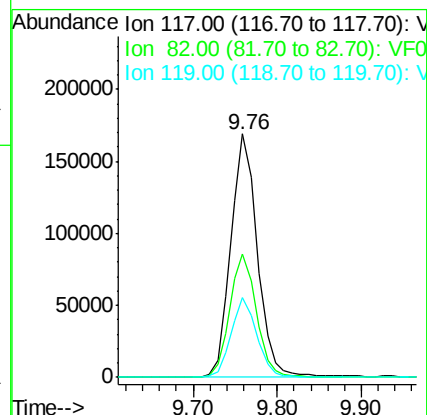
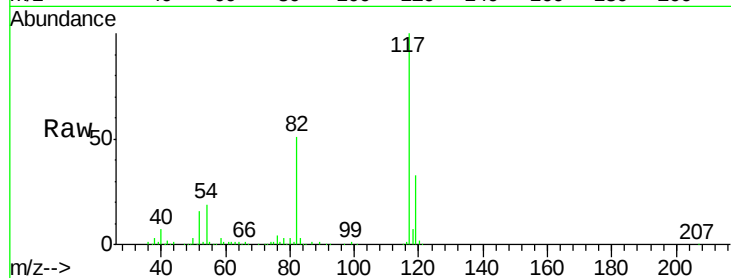




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061912.D
Acq: 12 Mar 2019 18:35

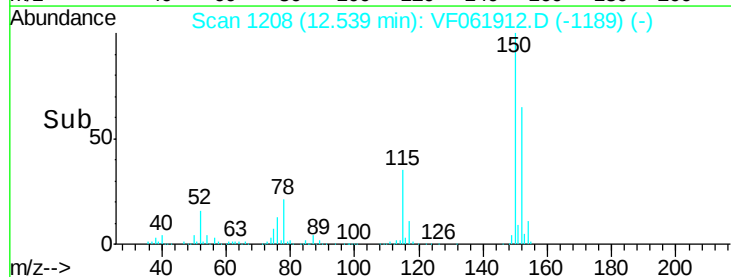
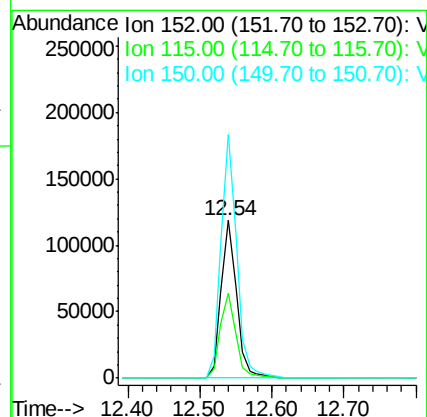
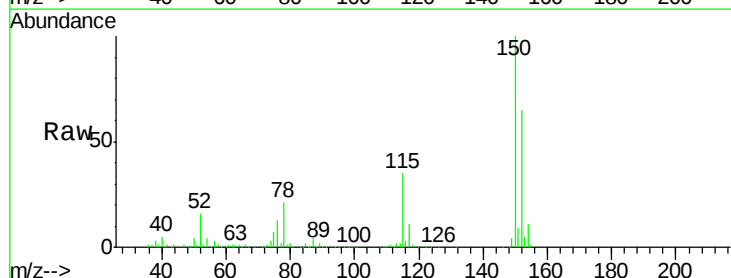
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ClientSampleId :
SU-03-031119-B

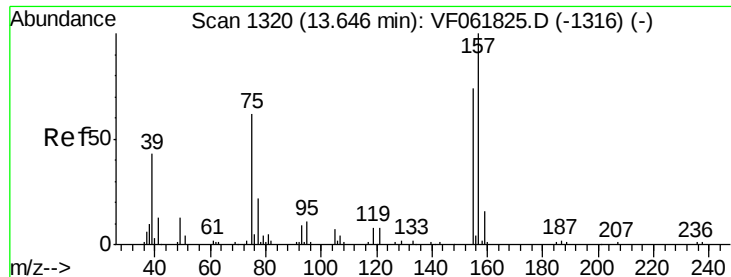
Tot Ion:117 Resp: 371971
Ion Ratio Lower Upper
117 100
82 50.7 42.6 63.8
119 32.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061912.D
Acq: 12 Mar 2019 18:35

Tgt Ion:152 Resp: 175289
Ion Ratio Lower Upper
152 100
115 53.6 27.7 83.1
150 154.5 0.0 304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.357 ug/l

RT: 13.69 min Scan# 1325

Delta R.T. 0.05 min

Lab File: VF061912.D

Acq: 12 Mar 2019 18:35

Instrument :

MSVOA_F

ClientSampleId :

SU-03-031119-B

Tot Ion: 75 Resp: 222

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

