

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061870.D
 Acq On : 8 Mar 2019 18:47
 Operator : VA/AP
 Sample : K1807-11
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-6

Quant Time: Mar 09 00:46:39 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

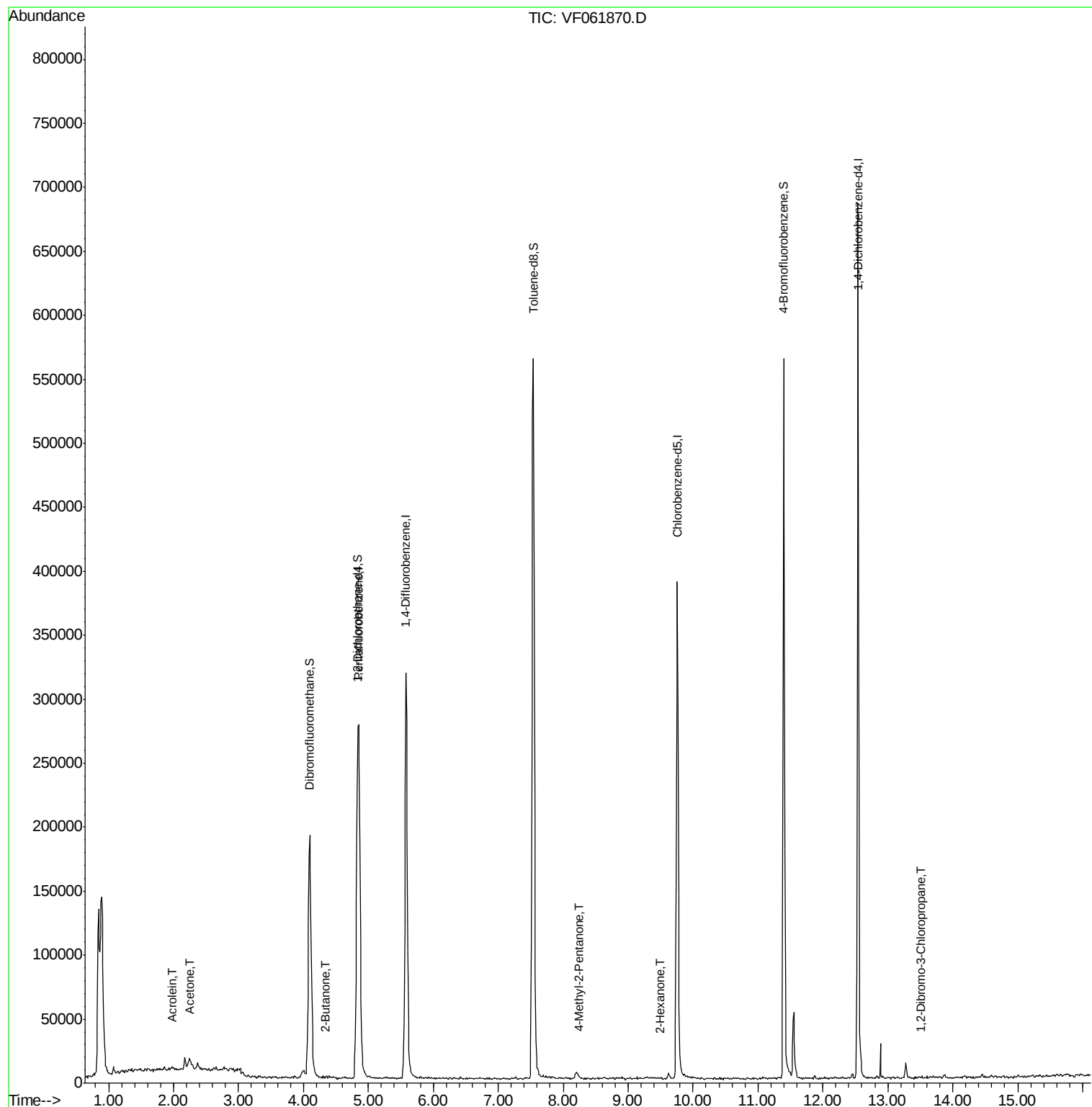
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	243794	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	376924	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	305482	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	185386	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	127116	71.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	143.20%	
35) Dibromofluoromethane	4.10	113	187347	71.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	142.44%	
50) Toluene-d8	7.54	98	511473	65.42	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	130.84%	
62) 4-Bromofluorobenzene	11.40	95	212944	69.53	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	139.06%	
Target Compounds						
					Qvalue	
13) Acrolein	1.99	56	413	3.234	ug/l #	81
16) Acetone	2.23	43	2515	6.763	ug/l #	50
18) Methyl Acetate	2.38	43	3242	Below Cal	#	62
20) Methylene Chloride	2.18	84	4788	Below Cal		90
25) 2-Butanone	4.34	43	1125	1.487	ug/l #	56
51) 4-Methyl-2-Pentanone	8.24	43	1351	1.061	ug/l #	68
59) 2-Hexanone	9.48	43	1282	1.396	ug/l	68
92) 1,2-Dibromo-3-Chloropropan	13.51	75	71	3.946	ug/l #	1

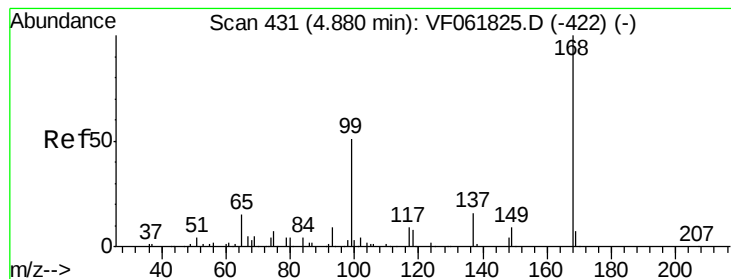
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030819\
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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: VF061870.D

Acq: 8 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampled :

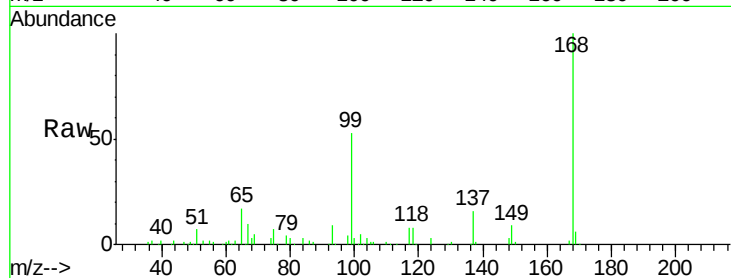
TP-6

Tot Ion:168 Resp: 243794

Ion Ratio Lower Upper

168 100

99 53.3 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

80000

60000

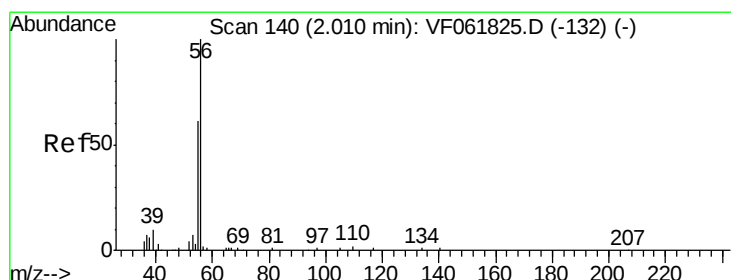
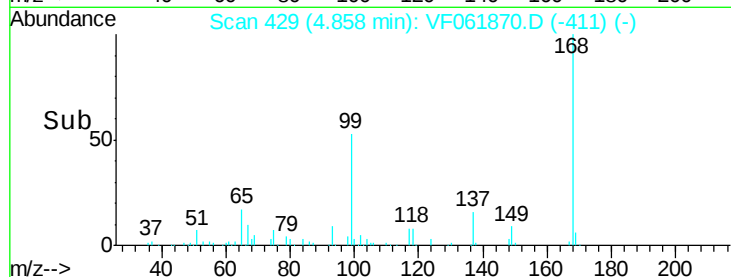
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 3.234 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061870.D

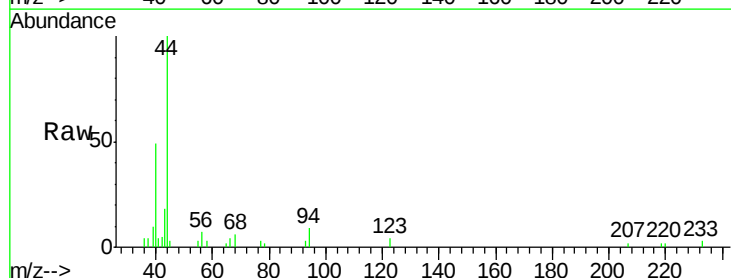
Acq: 8 Mar 2019 18:47

Tgt Ion: 56 Resp: 413

Ion Ratio Lower Upper

56 100

55 49.4 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

400

300

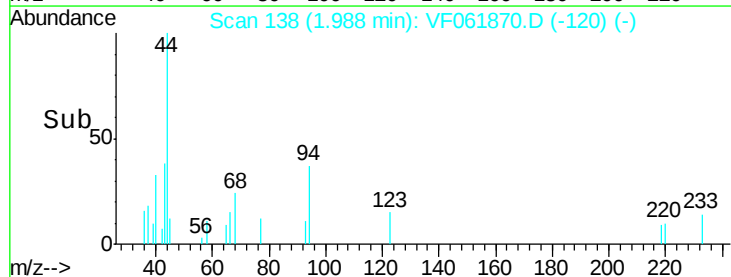
200

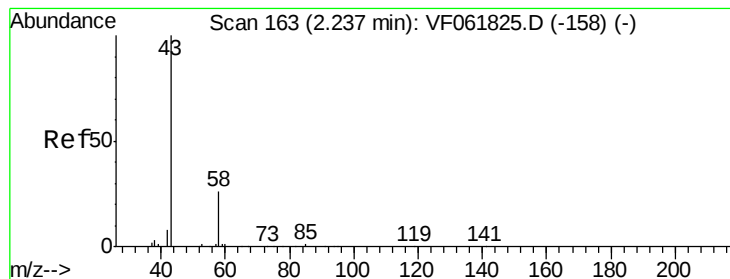
100

0

Time-->

1.96 1.98 2.00 2.02





#16

Acetone

Concen: 6.763 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061870.D

Acq: 8 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampled :

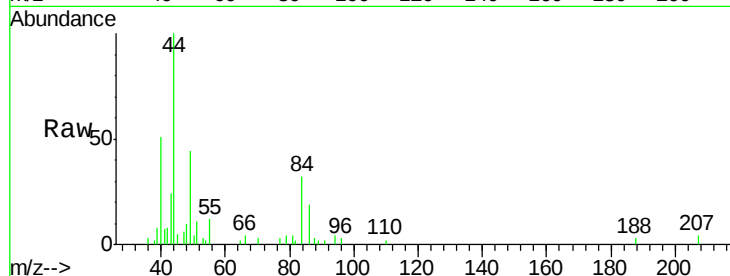
TP-6

Tot Ion: 43 Resp: 2515

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

1200

1000

800

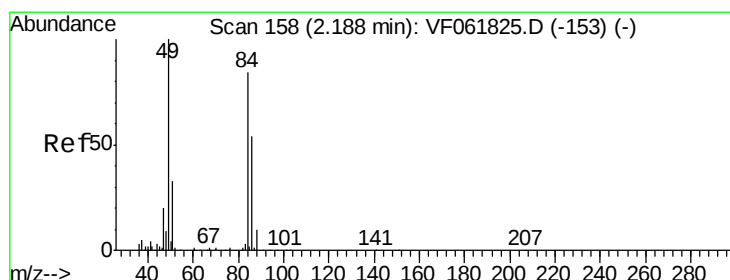
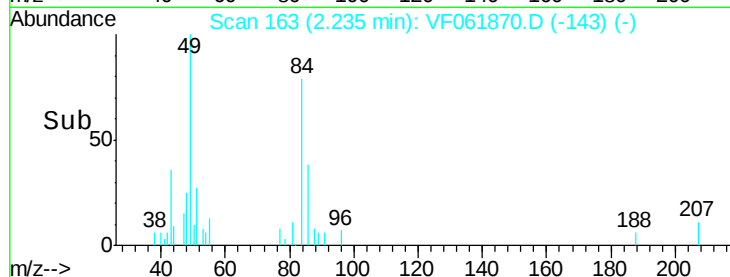
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061870.D

Acq: 8 Mar 2019 18:47

Tgt Ion: 84 Resp: 4788

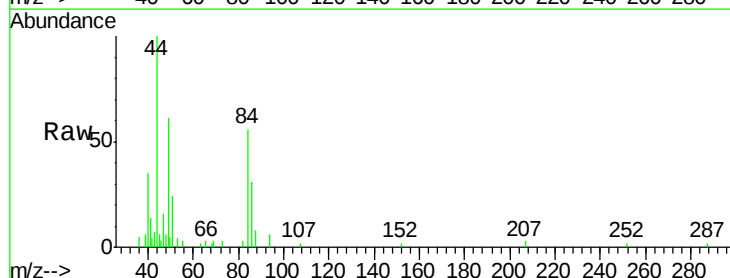
Ion Ratio Lower Upper

84 100

49 108.4 96.8 145.2

51 41.8 31.8 47.6

86 55.0 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

4000

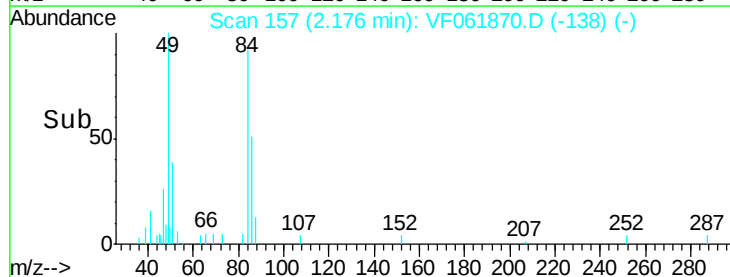
3000

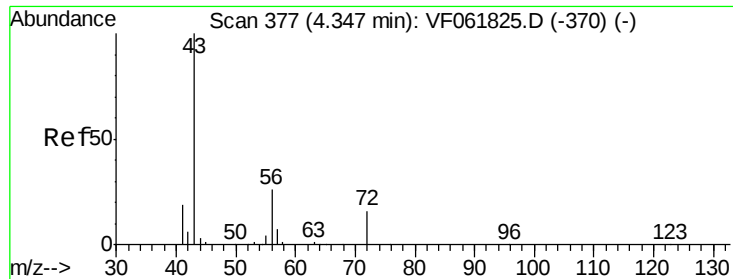
2000

1000

0

Time-->





#25

2-Butanone

Concen: 1.487 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF061870.D

Acq: 8 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampled :

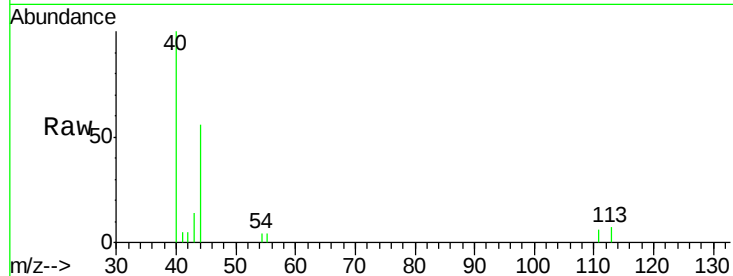
TP-6

Tot Ion: 43 Resp: 1125

Ion Ratio Lower Upper

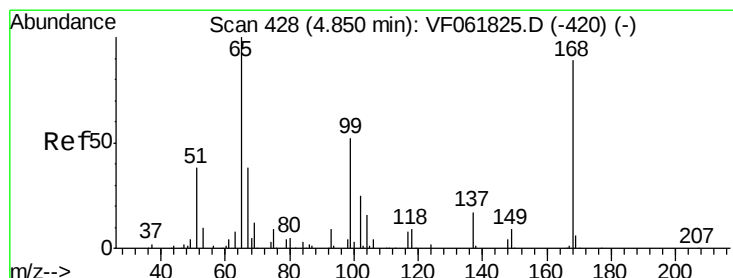
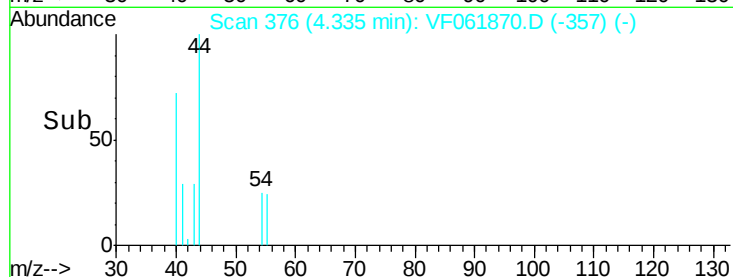
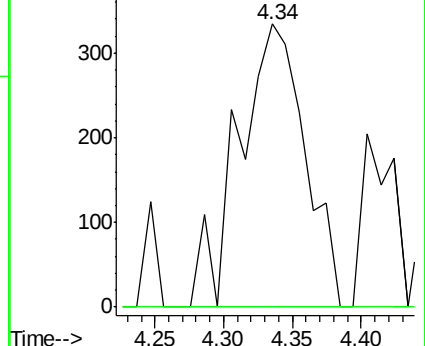
43 100

72 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 71.598 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061870.D

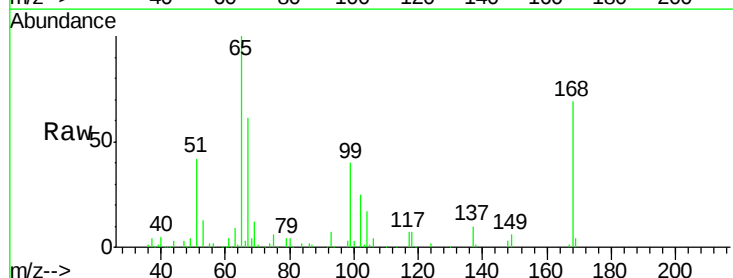
Acq: 8 Mar 2019 18:47

Tgt Ion: 65 Resp: 127116

Ion Ratio Lower Upper

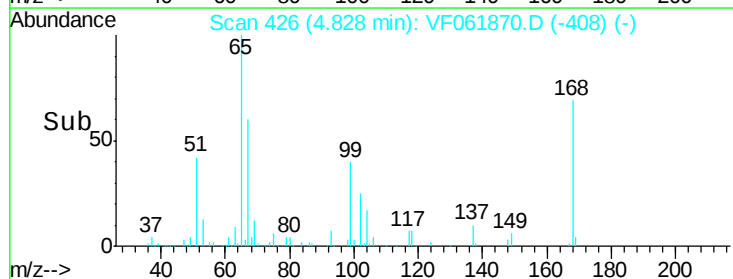
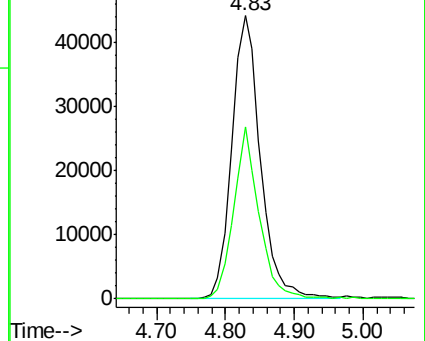
65 100

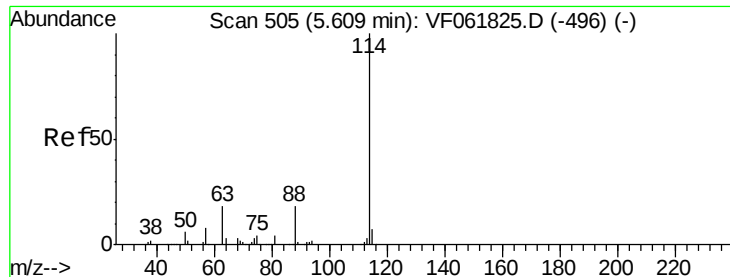
67 60.6 0.0 108.6



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: VF061870.D

Acq: 8 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampleId :

TP-6

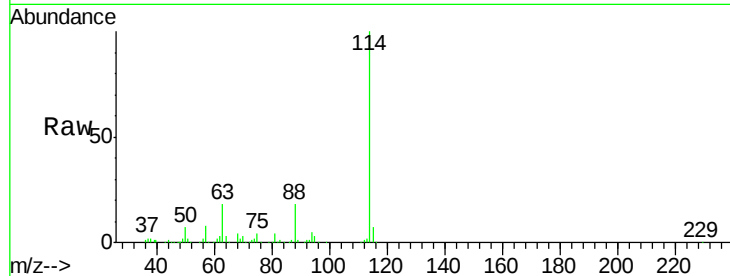
Tot Ion:114 Resp: 376924

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

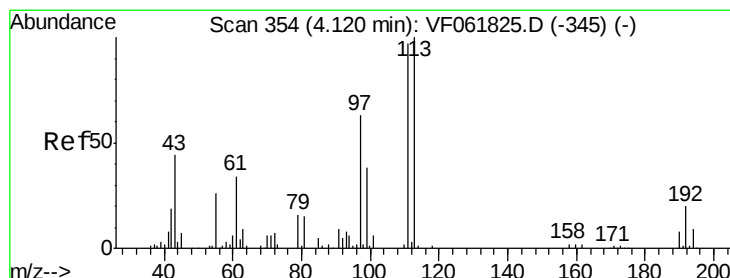
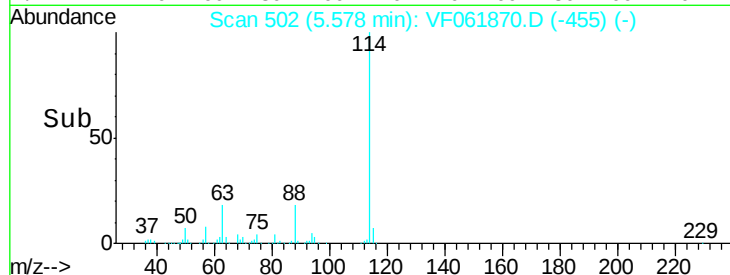
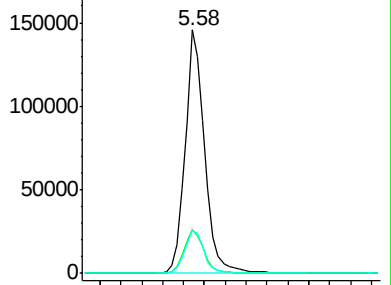
88 17.6 0.0 35.6



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: 71.223 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061870.D

Acq: 8 Mar 2019 18:47

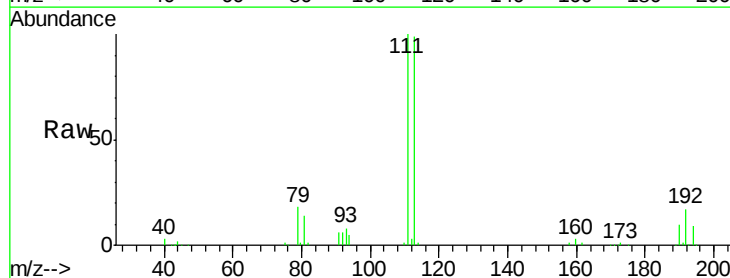
Tgt Ion:113 Resp: 187347

Ion Ratio Lower Upper

113 100

111 101.3 77.6 116.4

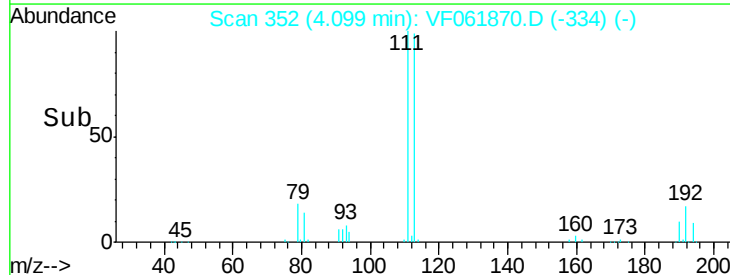
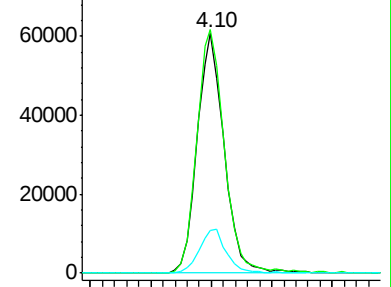
192 17.6 15.9 23.9

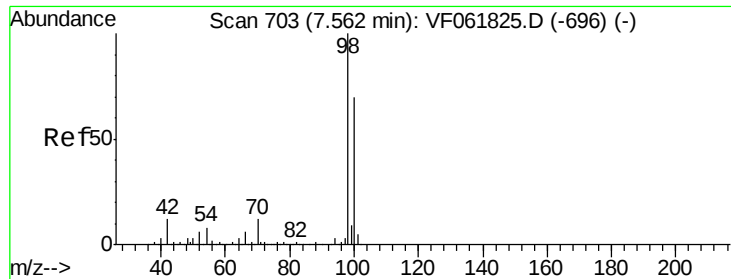


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

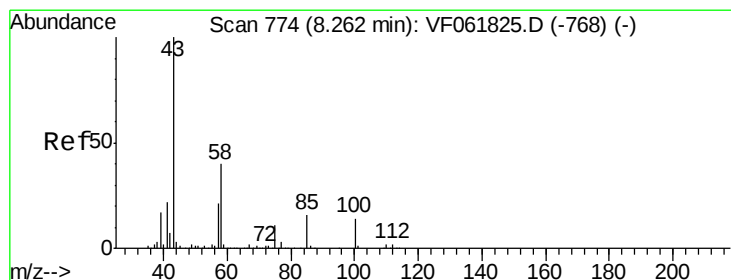
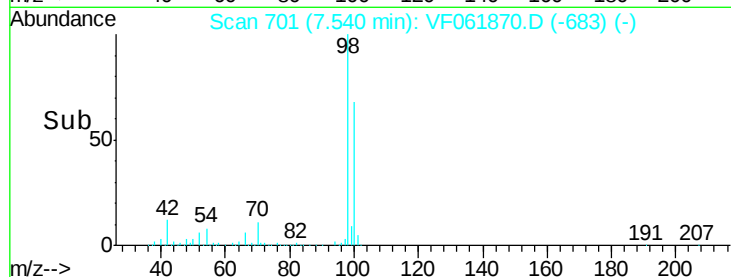
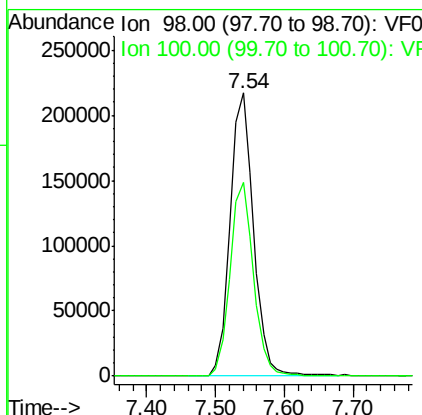
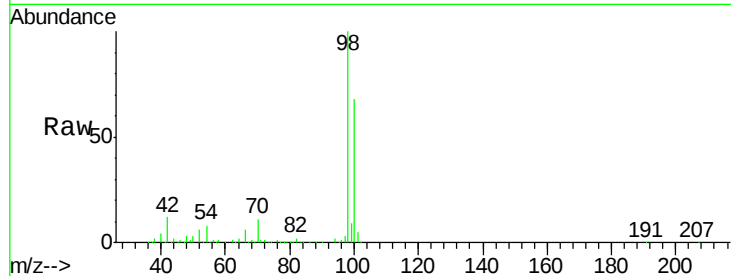




#50
Toluene-d8
Concen: 65.419 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061870.D
Acq: 8 Mar 2019 18:47

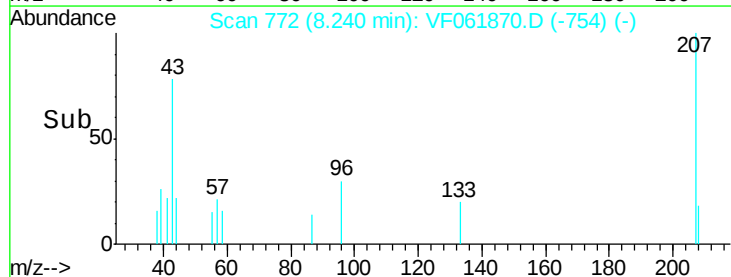
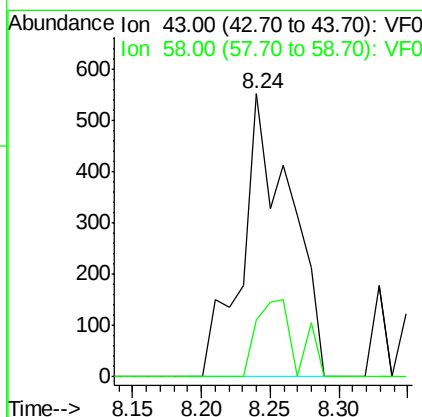
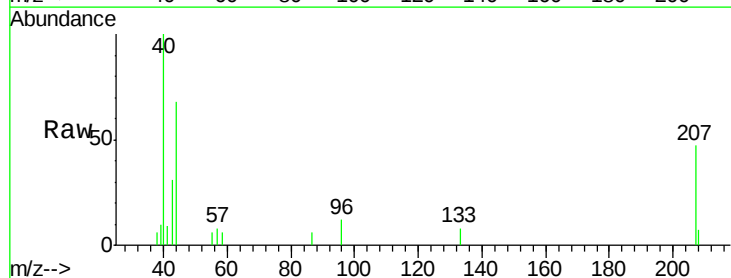
Instrument :
MSVOA_F
ClientSampleId :
TP-6

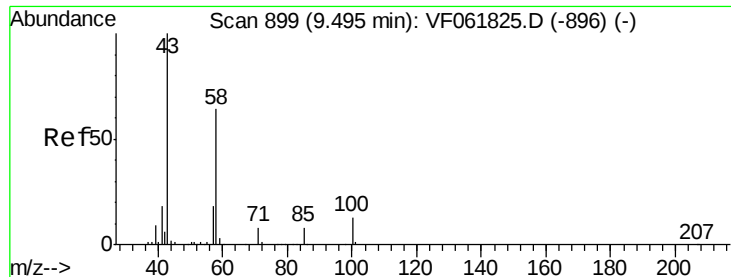
Tot Ion: 98 Resp: 511473
Ion Ratio Lower Upper
98 100
100 68.4 56.0 84.0



#51
4-Methyl-2-Pentanone
Concen: 1.061 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF061870.D
Acq: 8 Mar 2019 18:47

Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 20.1 31.8 47.8#

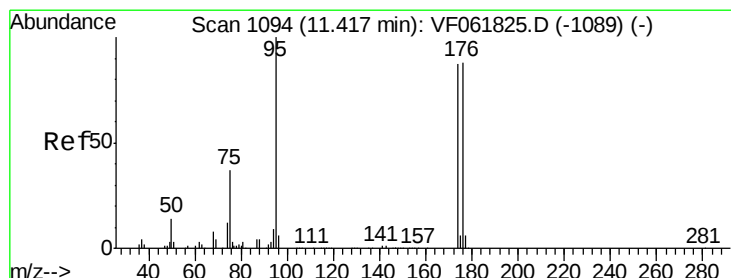
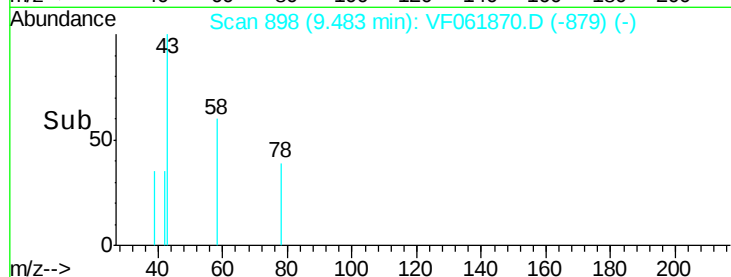
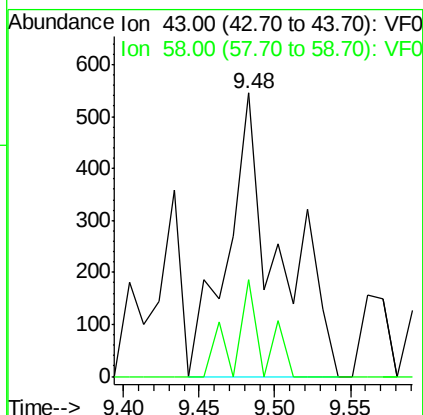
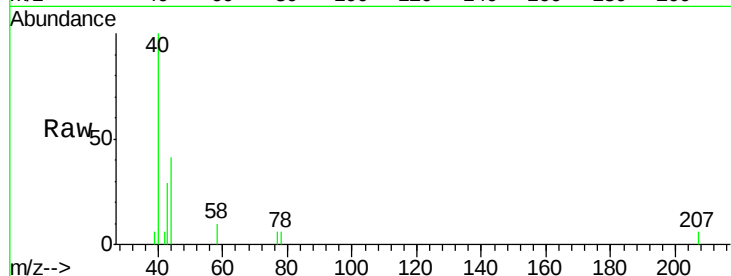




#59
2-Hexanone
Concen: 1.396 ug/l
RT: 9.48 min Scan# 898
Delta R.T. -0.01 min
Lab File: VF061870.D
Acq: 8 Mar 2019 18:47

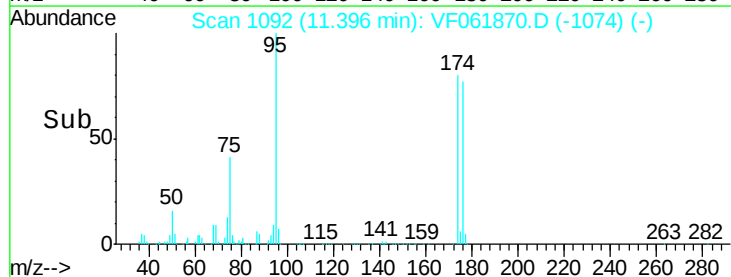
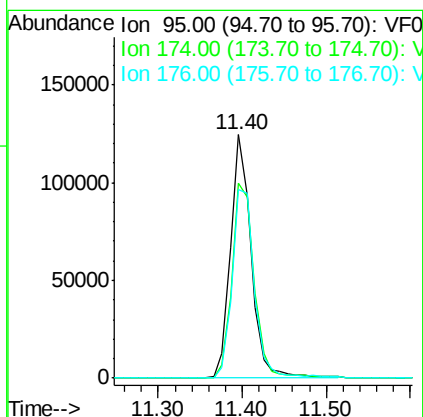
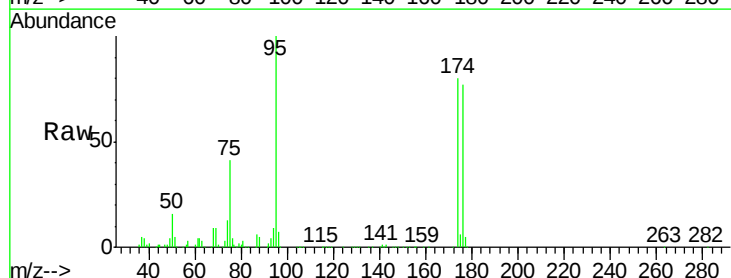
Instrument :
MSVOA_F
ClientSampled :
TP-6

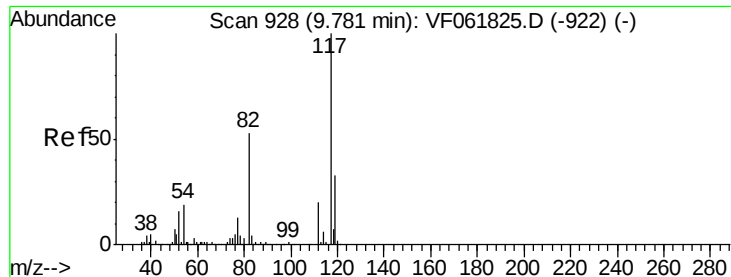
Tot Ion: 43 Resp: 1282
Ion Ratio Lower Upper
43 100
58 34.1 28.8 86.4



#62
4-Bromofluorobenzene
Concen: 69.529 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.02 min
Lab File: VF061870.D
Acq: 8 Mar 2019 18:47

Tgt Ion: 95 Resp: 212944
Ion Ratio Lower Upper
95 100
174 80.3 0.0 174.0
176 77.4 0.0 175.2

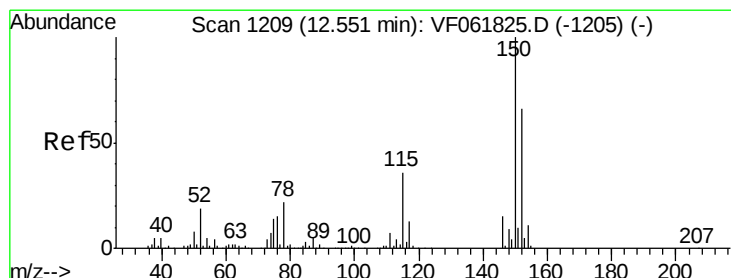
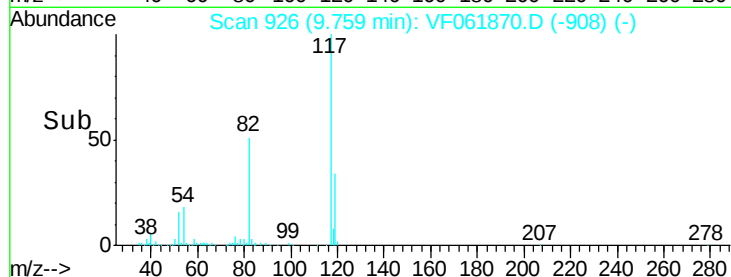
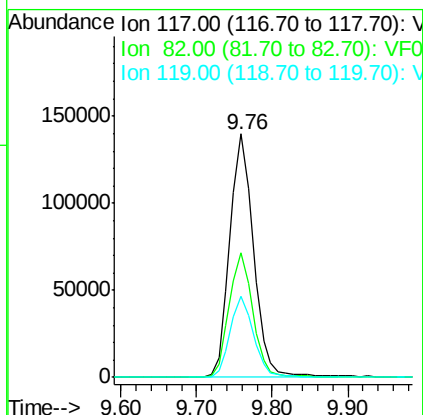
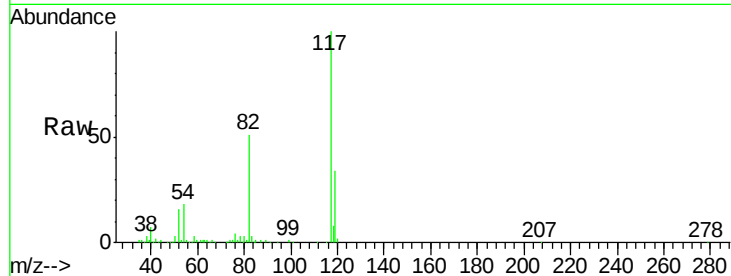




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061870.D
Acq: 8 Mar 2019 18:47

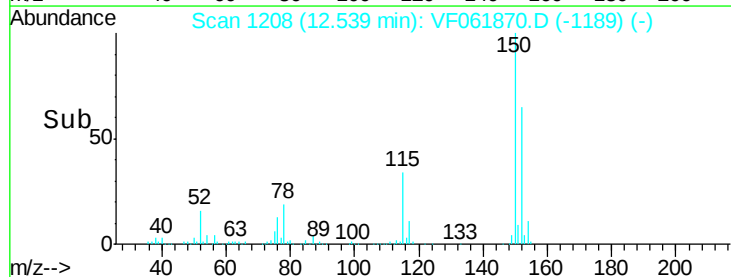
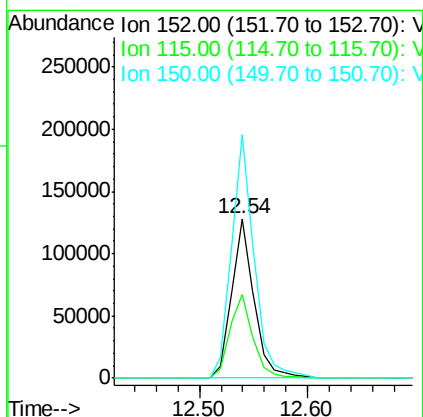
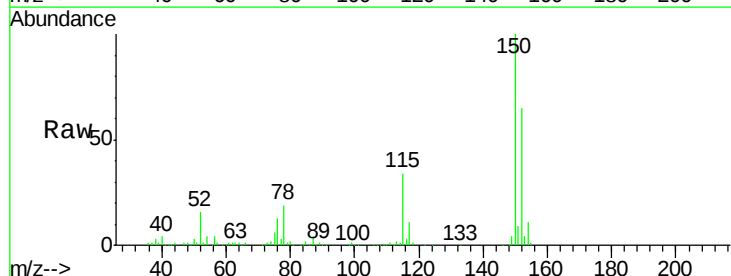
Instrument :
MSVOA_F
ClientSampleId :
TP-6

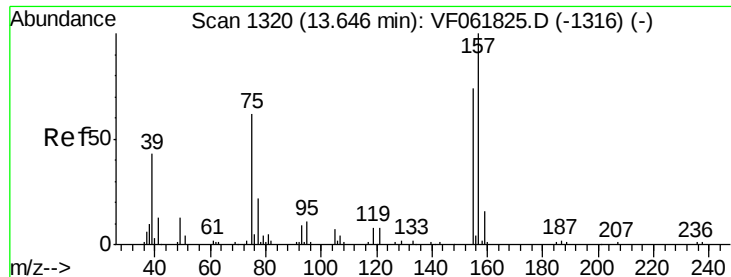
Tot Ion:117 Resp: 305482
Ion Ratio Lower Upper
117 100
82 51.4 42.6 63.8
119 33.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061870.D
Acq: 8 Mar 2019 18:47

Tgt Ion:152 Resp: 185386
Ion Ratio Lower Upper
152 100
115 52.7 27.7 83.1
150 153.0 0.0 304.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.946 ug/l

RT: 13.51 min Scan# 1306

Delta R.T. -0.14 min

Lab File: VF061870.D

Acq: 8 Mar 2019 18:47

Instrument :

MSVOA_F

ClientSampleId :

TP-6

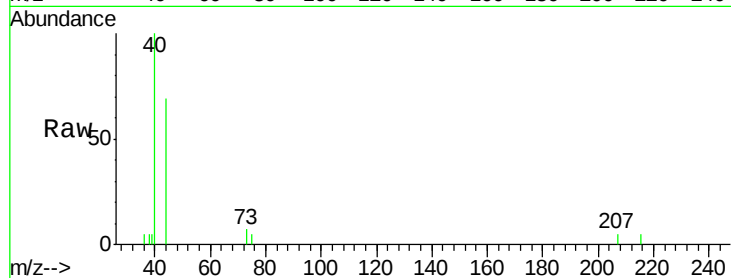
Tot Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

