

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061867.D
 Acq On : 8 Mar 2019 17:21
 Operator : VA/AP
 Sample : K1807-05
 Misc : 5.10g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 09 00:46:06 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

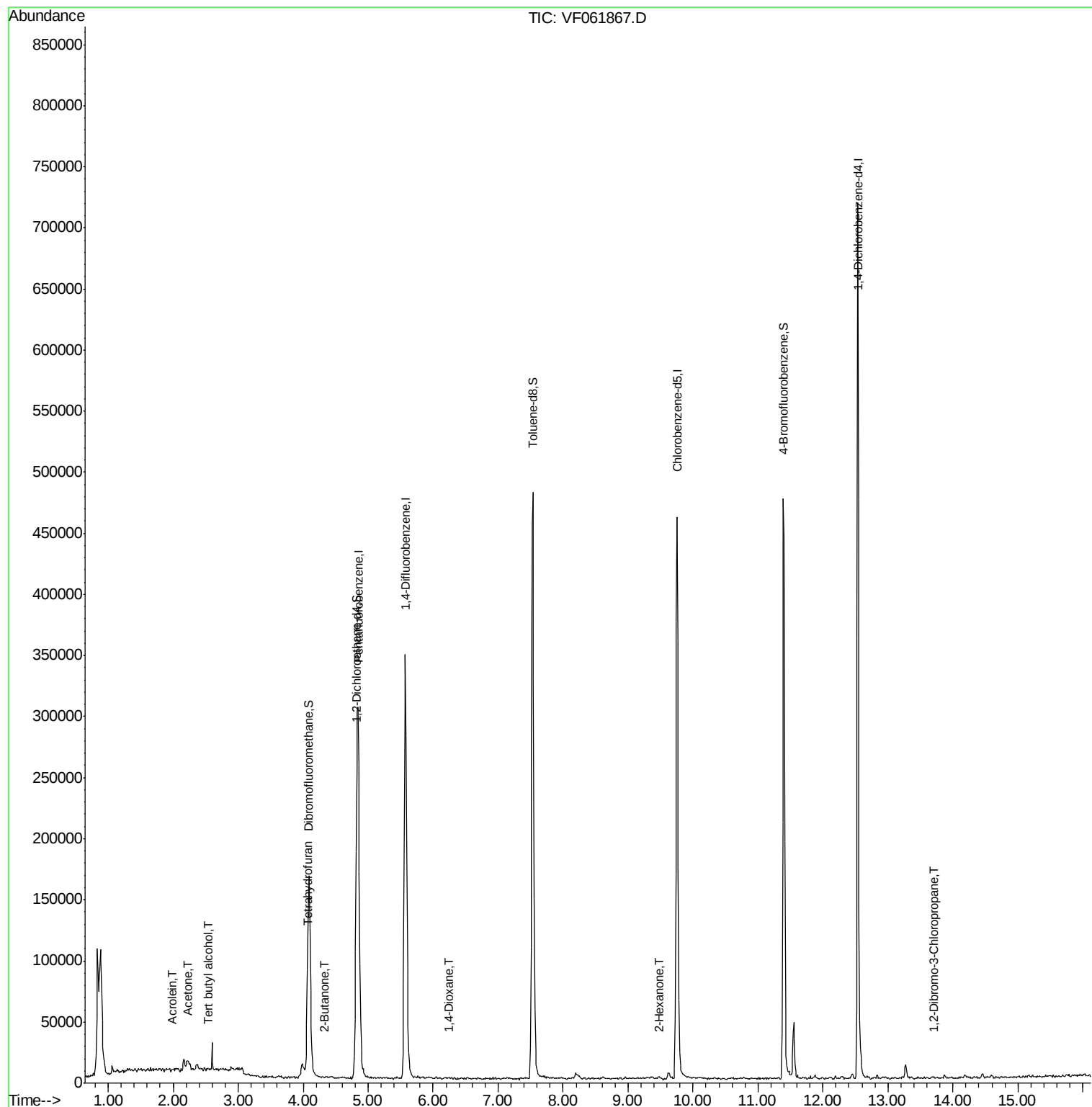
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	280258	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	426583	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	358538	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	199402	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.81	65	119641	58.62	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	117.24%	
35) Dibromofluoromethane	4.09	113	166688	55.99	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	111.98%	
50) Toluene-d8	7.54	98	434170	49.07	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	11.39	95	192543	55.55	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	111.10%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.54	59	486	4.195	ug/l #	60
13) Acrolein	1.97	56	402	2.739	ug/l #	1
16) Acetone	2.22	43	3911	9.148	ug/l	93
18) Methyl Acetate	2.35	43	3447	Below Cal	#	88
20) Methylene Chloride	2.16	84	3152	Below Cal	#	79
25) 2-Butanone	4.32	43	1281	1.473	ug/l #	56
29) Tetrahydrofuran	4.06	42	627	1.672	ug/l #	60
49) 1,4-Dioxane	6.24	88	64	5.306	ug/l #	12
59) 2-Hexanone	9.48	43	1226	1.179	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	153	4.125	ug/l #	1

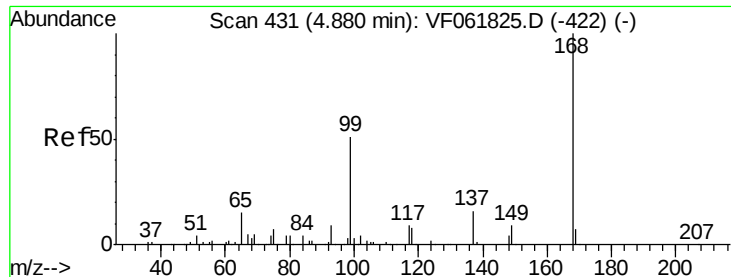
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

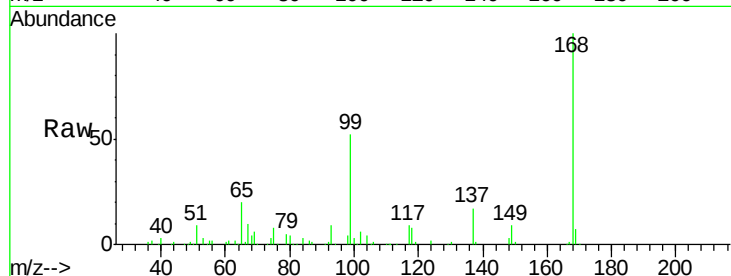
TP-3

Tot Ion:168 Resp: 280258

Ion Ratio Lower Upper

168 100

99 52.1 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.84

80000

60000

40000

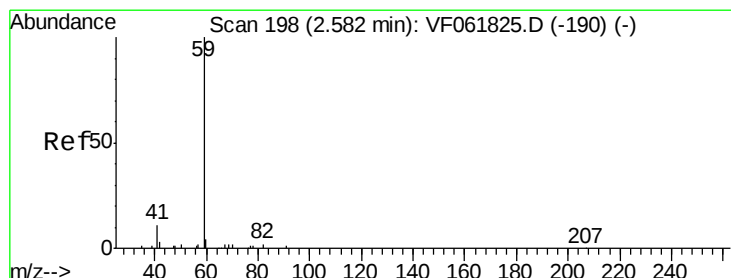
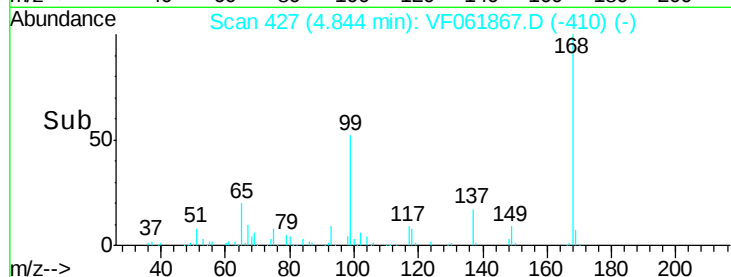
20000

0

Time-->

4.80

5.00



#11

Tert butyl alcohol

Concen: 4.195 ug/l

RT: 2.54 min Scan# 193

Delta R.T. -0.05 min

Lab File: VF061867.D

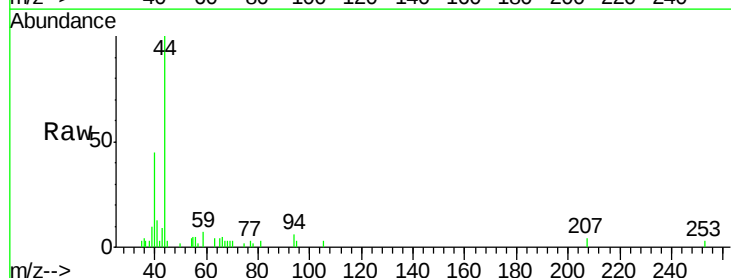
Acq: 8 Mar 2019 17:21

Tgt Ion: 59 Resp: 486

Ion Ratio Lower Upper

59 100

57 31.4 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.54

300

200

100

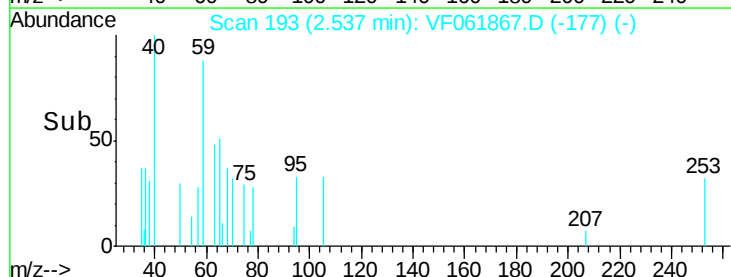
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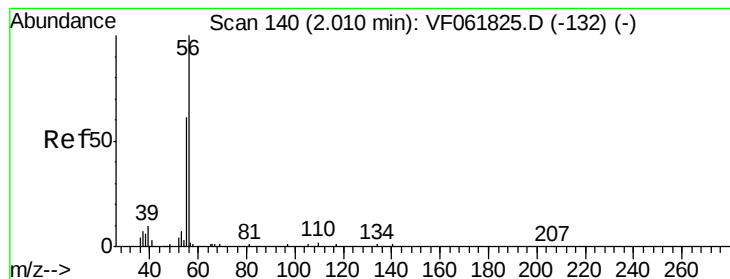
Time-->

2.50

2.55

2.60





#13

Acrolein

Concen: 2.739 ug/l

RT: 1.97 min Scan# 136

Delta R.T. -0.04 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

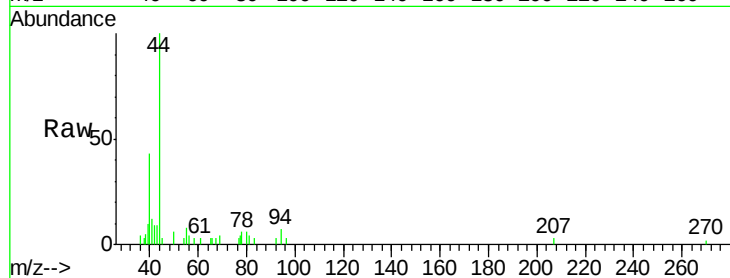
TP-3

Tot Ion: 56 Resp: 402

Ion Ratio Lower Upper

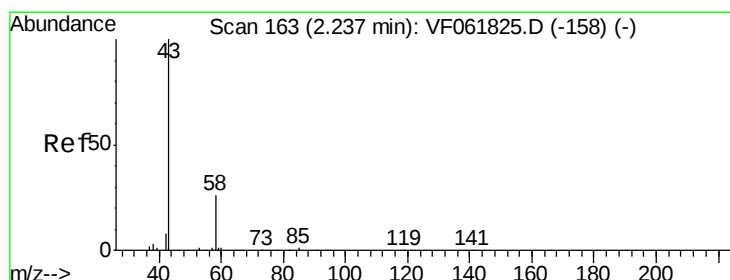
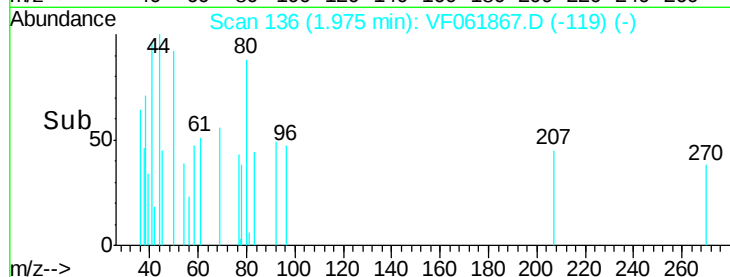
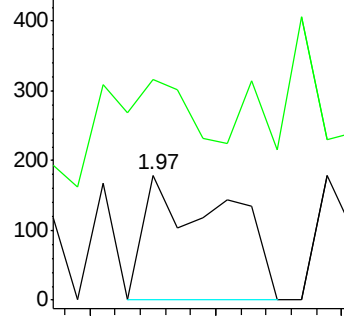
56 100

55 176.5 51.3 76.9#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#16

Acetone

Concen: 9.148 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061867.D

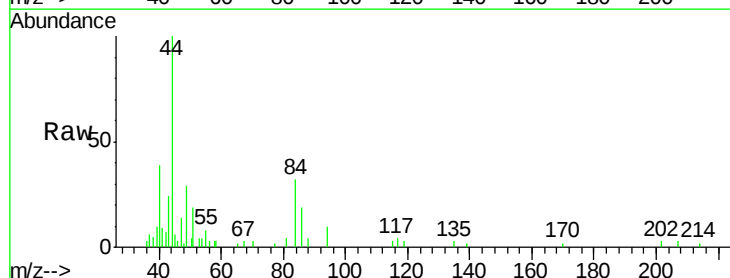
Acq: 8 Mar 2019 17:21

Tgt Ion: 43 Resp: 3911

Ion Ratio Lower Upper

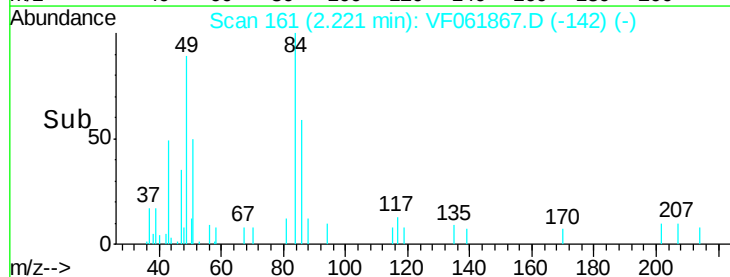
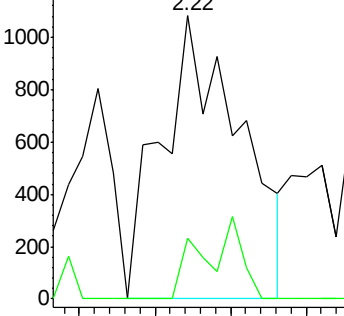
43 100

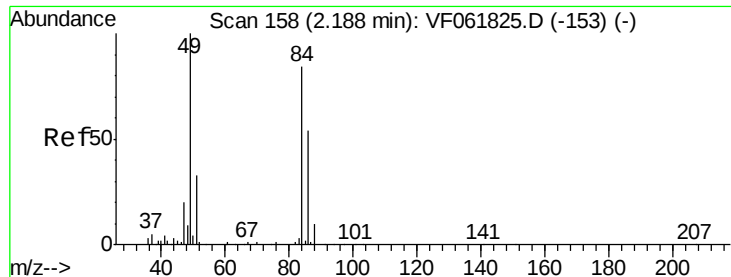
58 21.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methvlene Chloride

Concen: Below Cal

RT: 2.16 min Scan# 155

Delta R.T. -0.02 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

Instrument :

MSVOA_F

ClientSampled :

TP-3

Tot Ion: 84 Resp: 3152

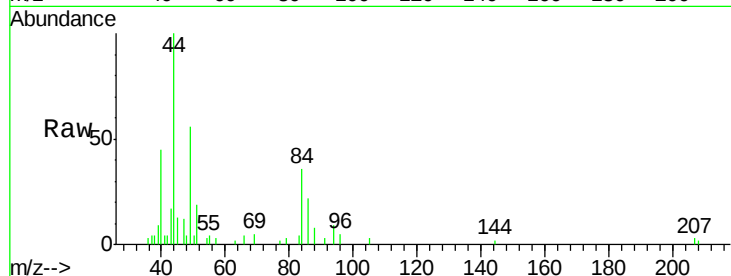
Ion Ratio Lower Upper

84 100

49 156.6 96.8 145.2#

51 52.4 31.8 47.6#

86 62.5 51.6 77.4

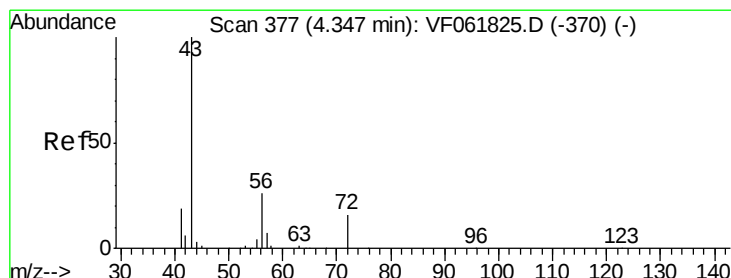
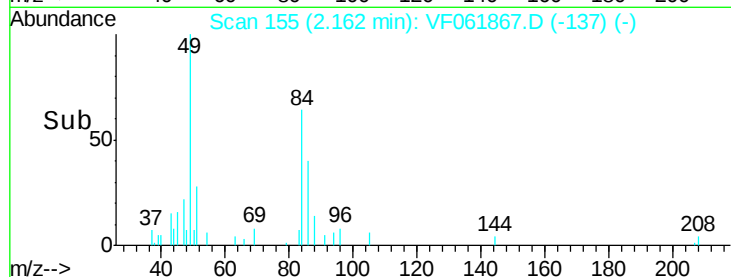
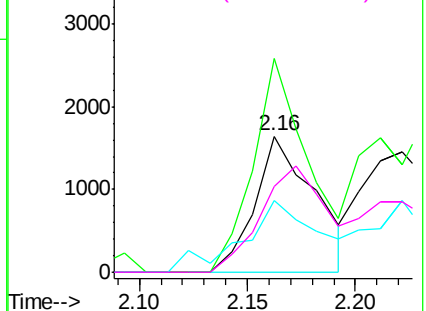


Abundance Ion 84.00 (83.70 to 84.70): VF0

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



#25

2-Butanone

Concen: 1.473 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF061867.D

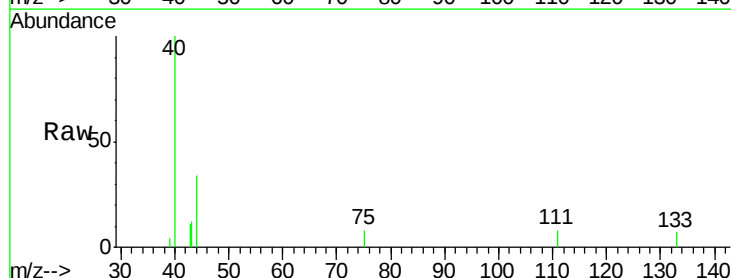
Acq: 8 Mar 2019 17:21

Tgt Ion: 43 Resp: 1281

Ion Ratio Lower Upper

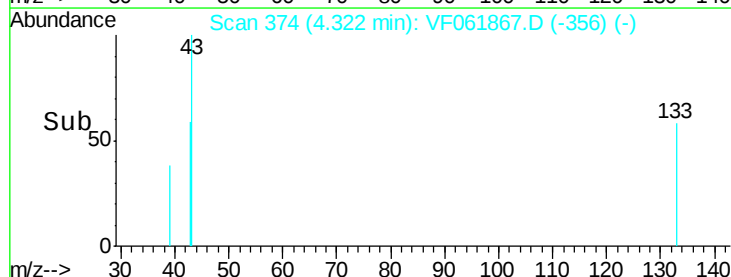
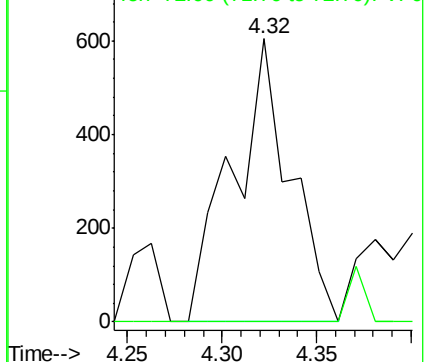
43 100

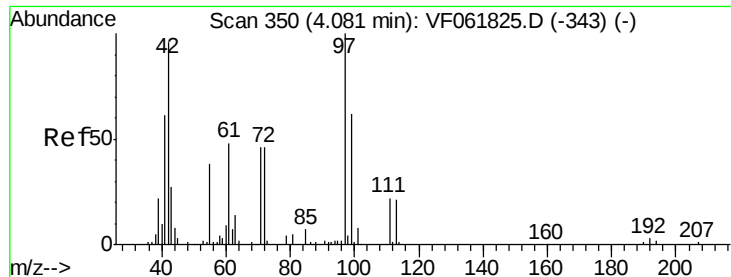
72 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

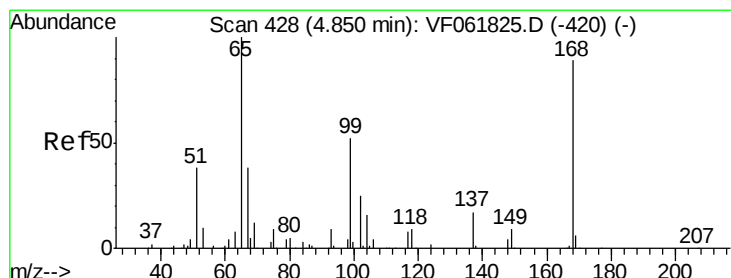
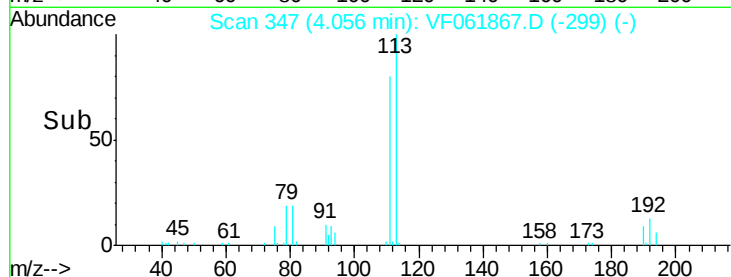
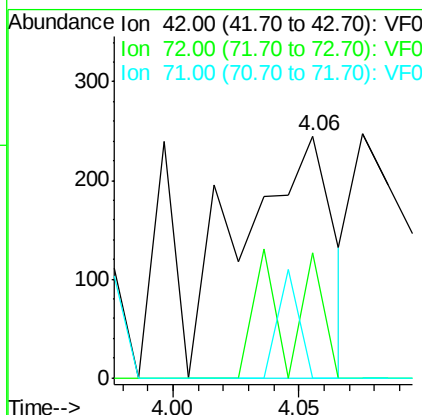
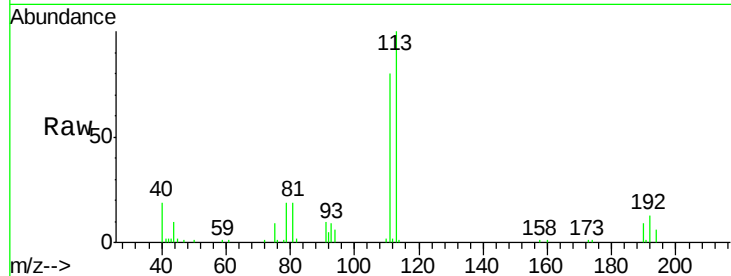




#29
Tetrahydrofuran
Concen: 1.672 ug/l
RT: 4.06 min Scan# 347
Delta R.T. -0.03 min
Lab File: VF061867.D
Acq: 8 Mar 2019 17:21

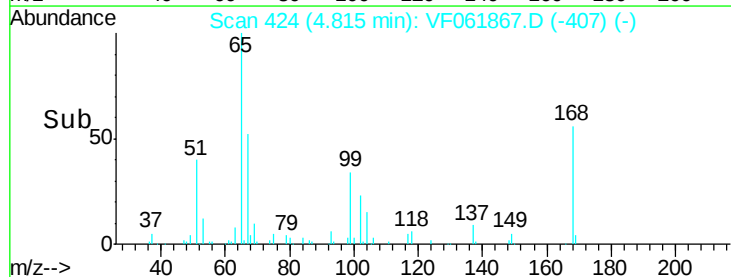
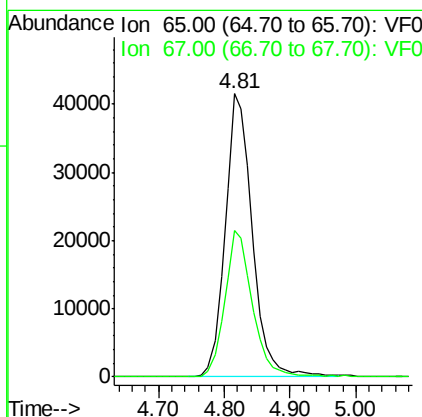
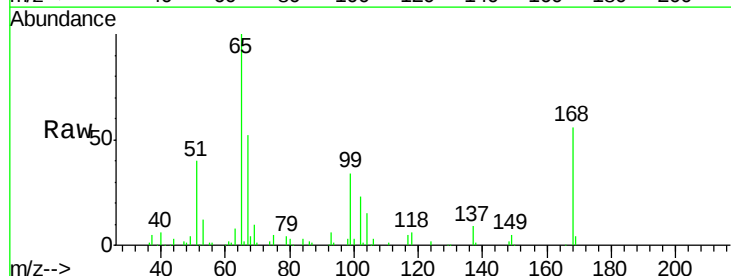
Instrument :
MSVOA_F
ClientSampled :
TP-3

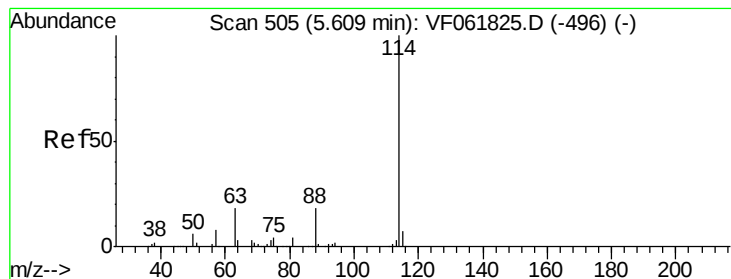
Tot Ion: 42 Resp: 627
Ion Ratio Lower Upper
42 100
72 24.2 34.4 51.6#
71 10.4 34.6 52.0#



#33
1,2-Dichloroethane-d4
Concen: 58.620 ug/l
RT: 4.81 min Scan# 424
Delta R.T. -0.04 min
Lab File: VF061867.D
Acq: 8 Mar 2019 17:21

Tgt Ion: 65 Resp: 119641
Ion Ratio Lower Upper
65 100
67 51.7 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

TP-3

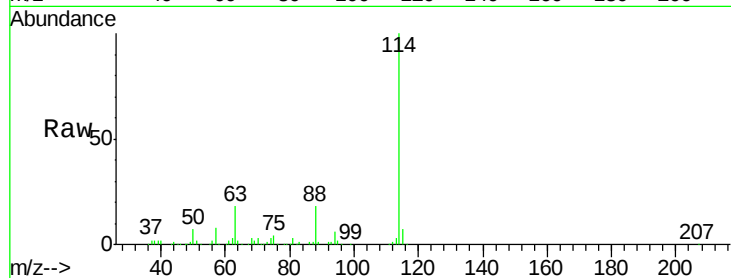
Tot Ion:114 Resp: 426583

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

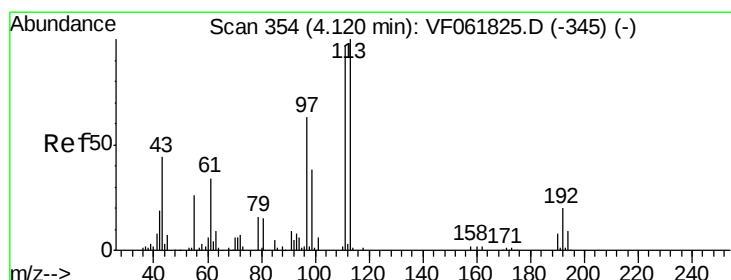
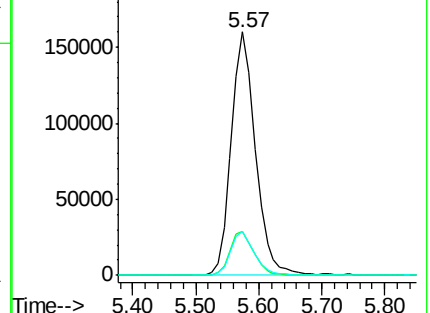
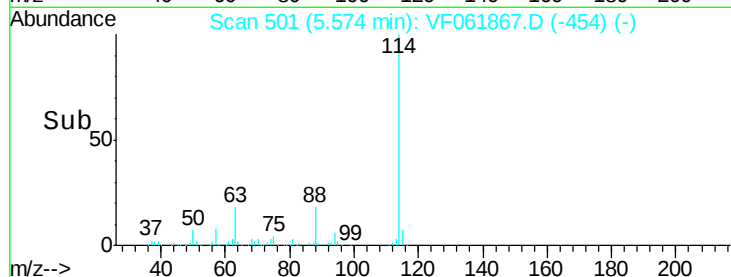
88 18.1 0.0 35.6



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: 55.992 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.04 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

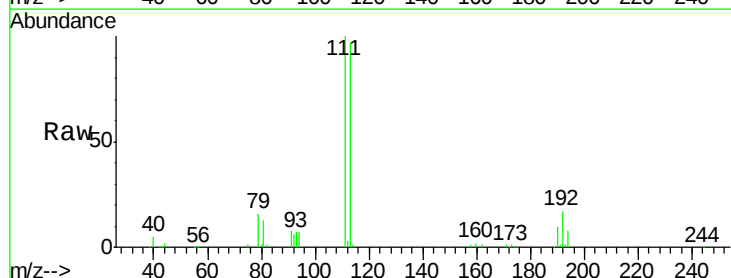
Tgt Ion:113 Resp: 166688

Ion Ratio Lower Upper

113 100

111 103.0 77.6 116.4

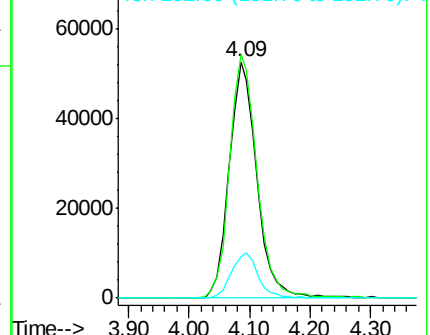
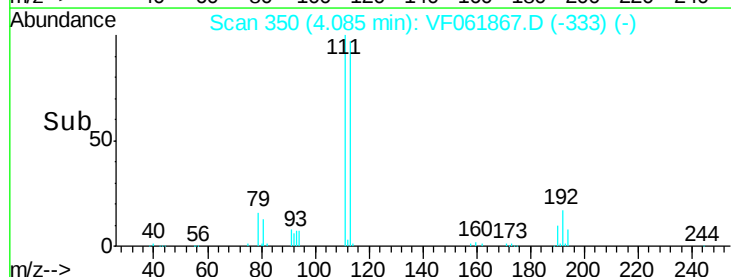
192 18.2 15.9 23.9

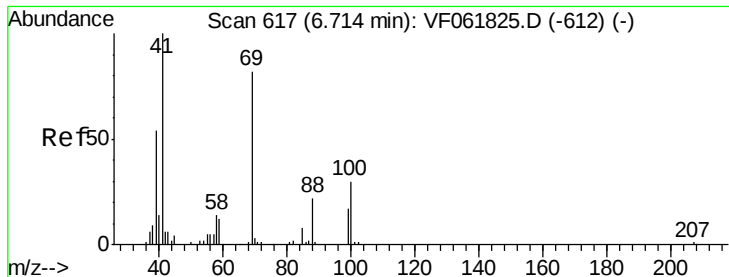


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

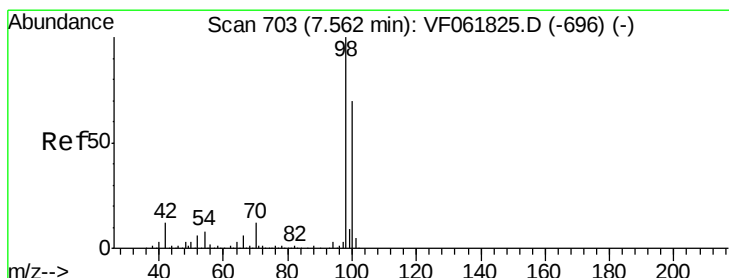
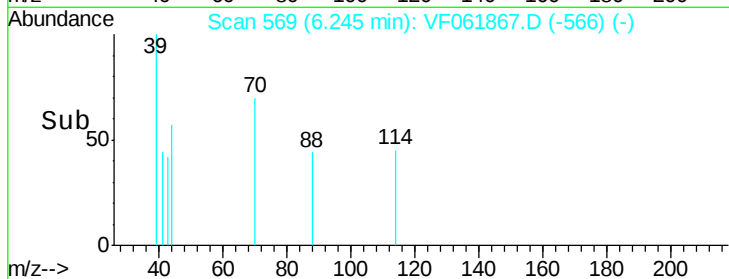
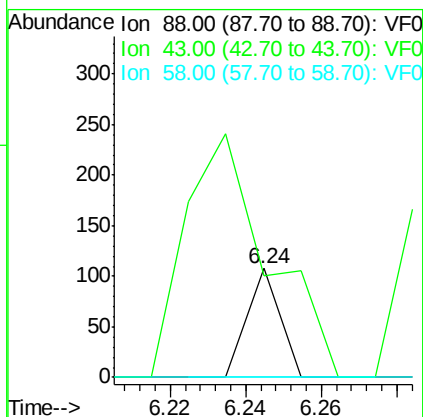
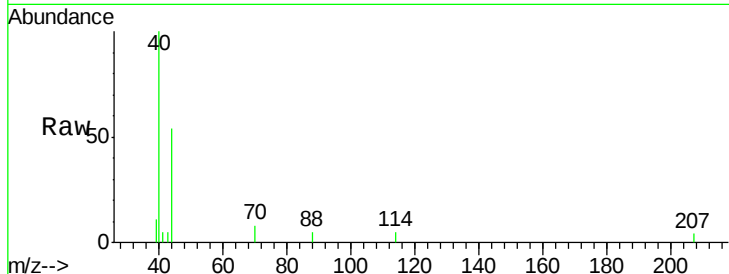




#49
1,4-Dioxane
Concen: 5.306 ug/l
RT: 6.24 min Scan# 569
Delta R.T. -0.47 min
Lab File: VF061867.D
Acq: 8 Mar 2019 17:21

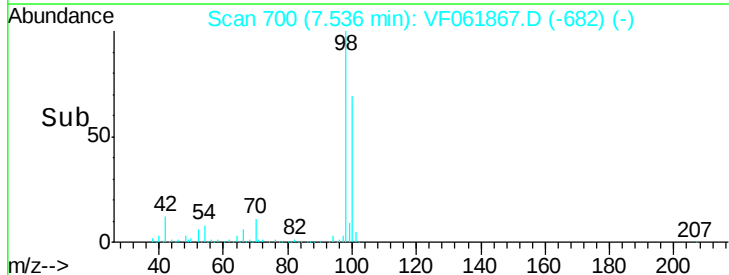
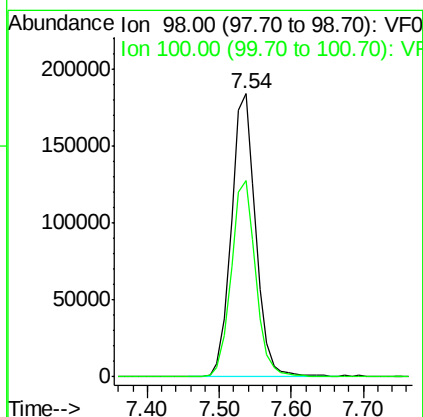
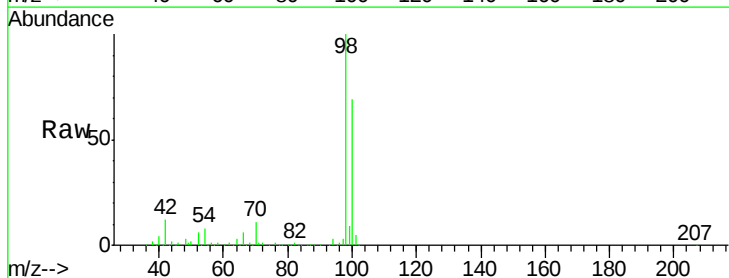
Instrument :
MSVOA_F
ClientSampled :
TP-3

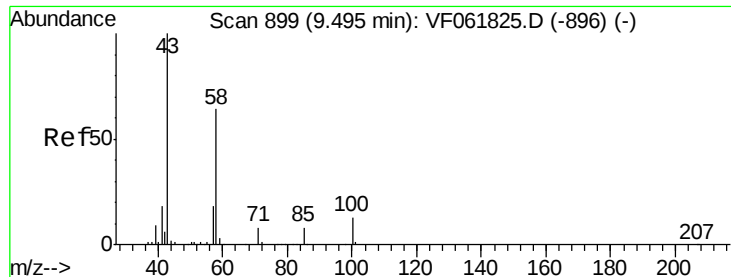
Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 93.5 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 49.067 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.03 min
Lab File: VF061867.D
Acq: 8 Mar 2019 17:21

Tgt Ion: 98 Resp: 434170
Ion Ratio Lower Upper
98 100
100 69.2 56.0 84.0





#59

2-Hexanone

Concen: 1.179 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

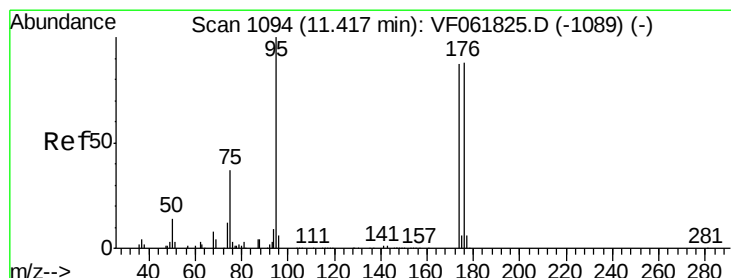
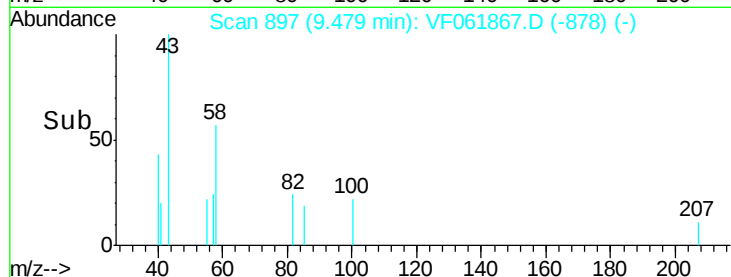
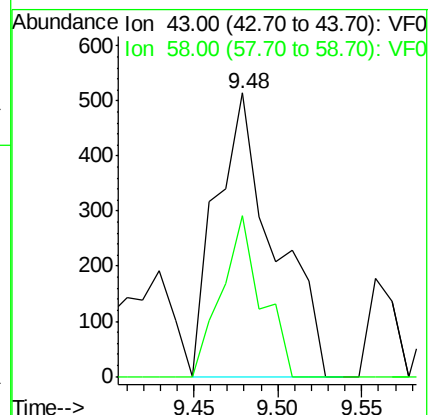
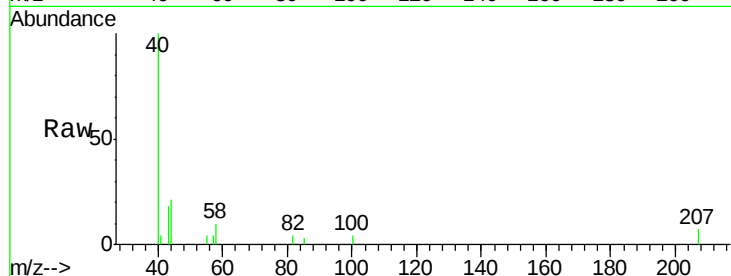
Instrument :
MSVOA_F
ClientSampleId :
TP-3

Tot Ion: 43 Resp: 1226

Ion Ratio Lower Upper

43 100

58 56.6 28.8 86.4



#62

4-Bromofluorobenzene

Concen: 55.549 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

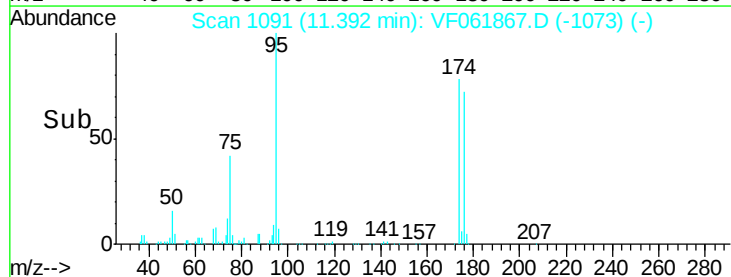
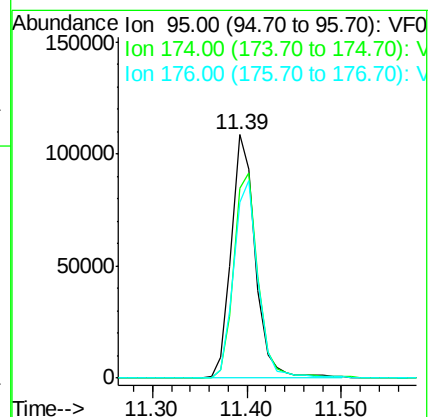
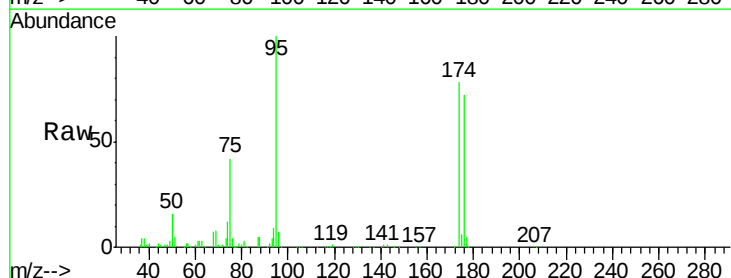
Tgt Ion: 95 Resp: 192543

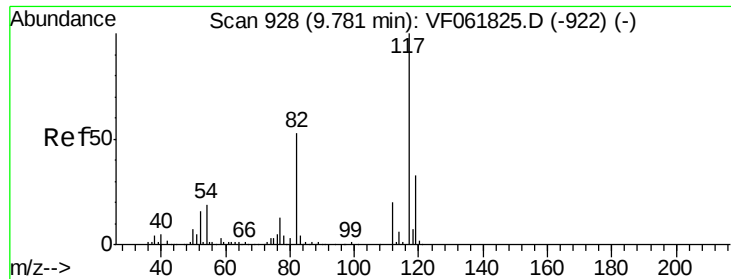
Ion Ratio Lower Upper

95 100

174 78.0 0.0 174.0

176 72.2 0.0 175.2

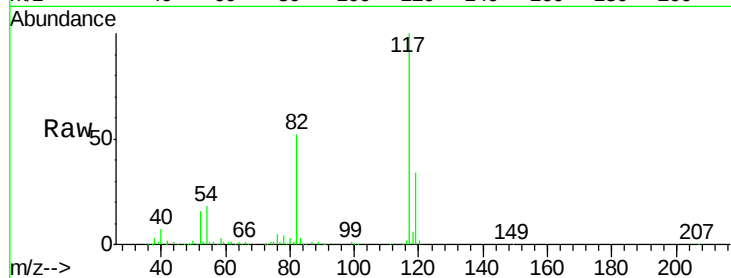




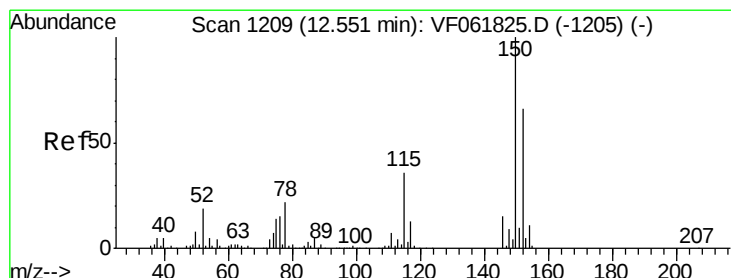
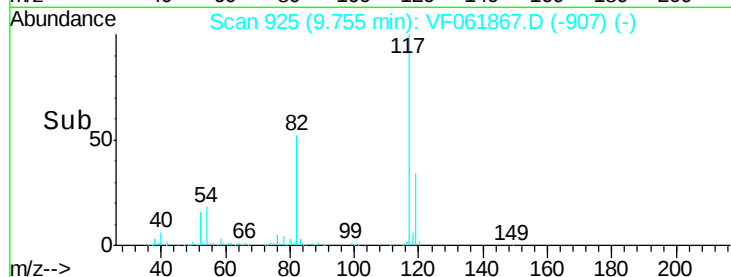
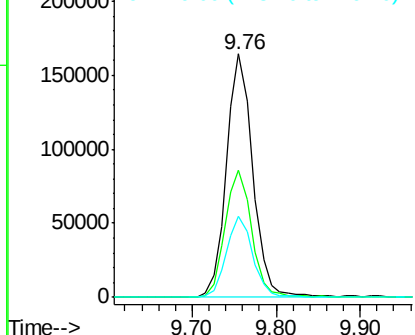
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.03 min
Lab File: VF061867.D
Acq: 8 Mar 2019 17:21

Instrument :
MSVOA_F
ClientSampleId :
TP-3

Tot Ion:117 Resp: 358538
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 33.5 26.0 39.0

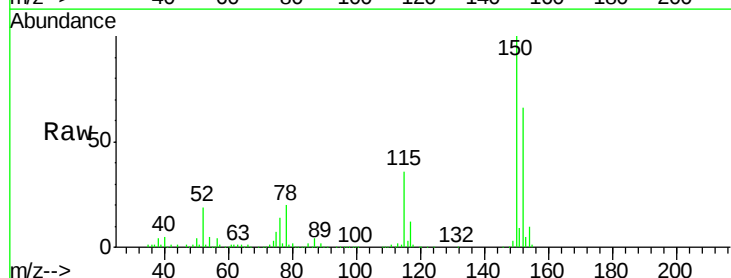


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

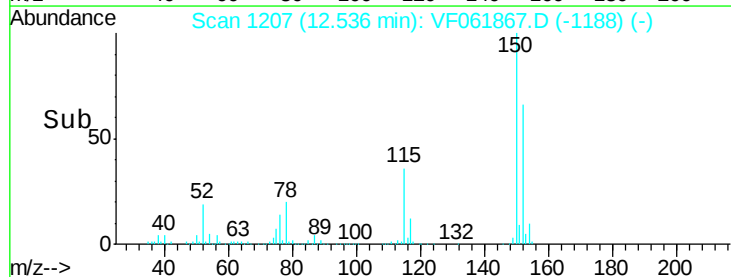
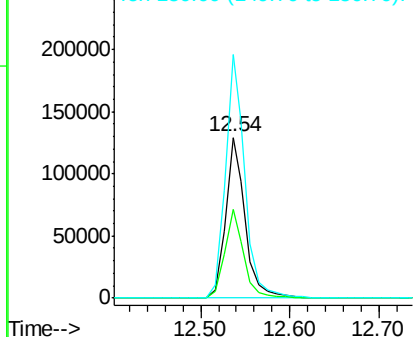


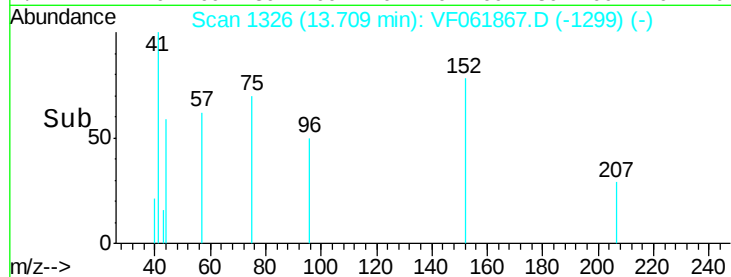
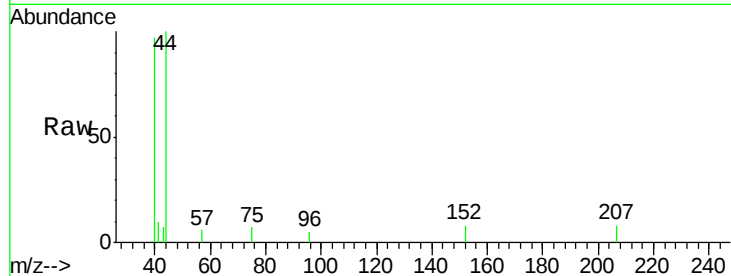
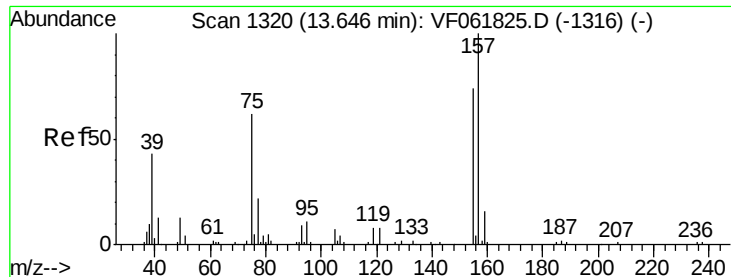
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.02 min
Lab File: VF061867.D
Acq: 8 Mar 2019 17:21

Tgt Ion:152 Resp: 199402
Ion Ratio Lower Upper
152 100
115 55.0 27.7 83.1
150 151.2 0.0 304.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.125 ug/l

RT: 13.71 min Scan# 1326

Delta R.T. 0.06 min

Lab File: VF061867.D

Acq: 8 Mar 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

TP-3

Tot Ion: 75 Resp: 153

Ion Ratio Lower Upper

75 100

155 0.0 59.8 179.4#

157 0.0 81.2 243.4#

