

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061871.D
 Acq On : 8 Mar 2019 19:15
 Operator : VA/AP
 Sample : K1807-13
 Misc : 5.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-7

Quant Time: Mar 09 00:46:50 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	257566	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	403812	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	358455	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	207779	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	117763	62.78	ug/l	-0.02
Spiked Amount			Recovery	=	125.56%	
35) Dibromofluoromethane	4.10	113	166119	58.95	ug/l	-0.02
Spiked Amount			Recovery	=	117.90%	
50) Toluene-d8	7.54	98	427066	50.99	ug/l	-0.02
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.40	95	186998	56.99	ug/l	-0.02
Spiked Amount			Recovery	=	113.98%	

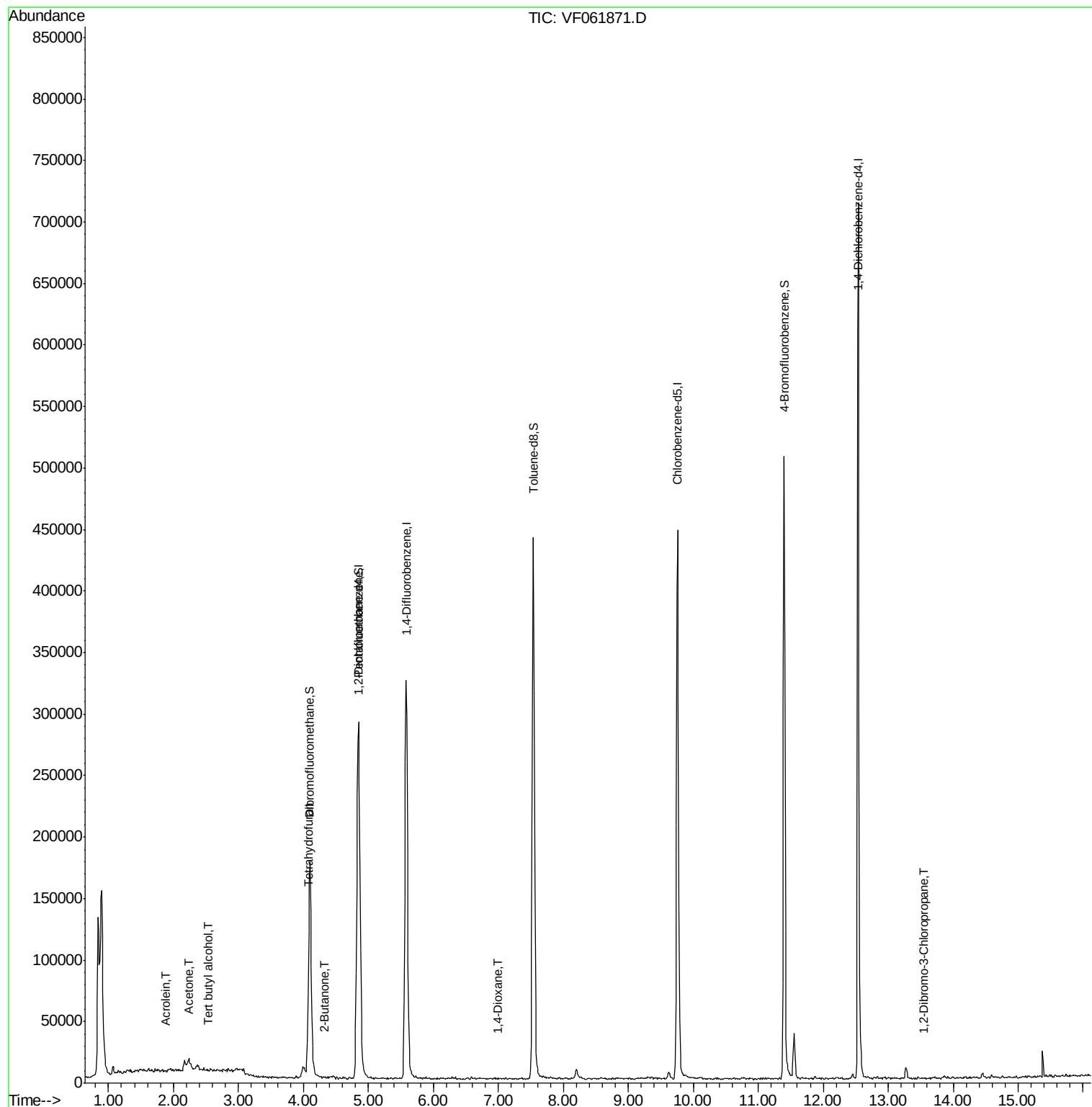
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.54	59	107	1.005	ug/l #	1
13) Acrolein	1.89	56	473	3.506	ug/l	95
16) Acetone	2.24	43	6889	17.533	ug/l	96
18) Methyl Acetate	2.37	43	2008	Below Cal	#	62
20) Methylene Chloride	2.18	84	3831	Below Cal		91
25) 2-Butanone	4.32	43	984	1.231	ug/l #	56
29) Tetrahydrofuran	4.07	42	617	1.790	ug/l #	33
49) 1,4-Dioxane	6.98	88	59	5.167	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	13.56	75	101	3.994	ug/l #	1

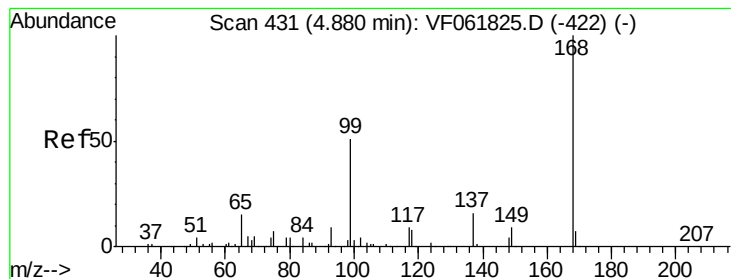
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061871.D

Acq: 8 Mar 2019 19:15

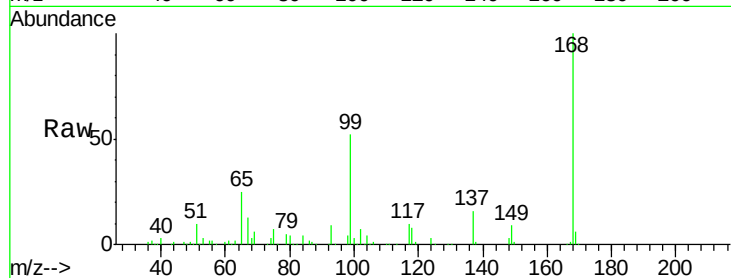
Instrument :
MSVOA_F
ClientSampled :
TP-7

Tot Ion:168 Resp: 257566

Ion Ratio Lower Upper

168 100

99 51.9 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

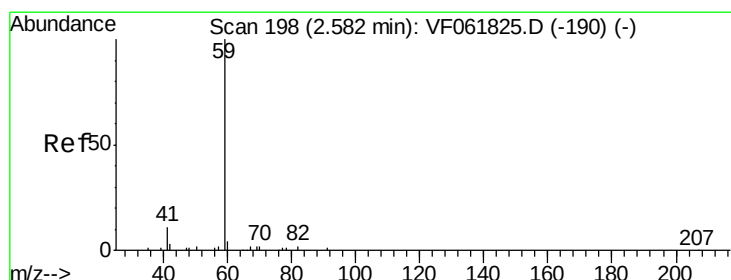
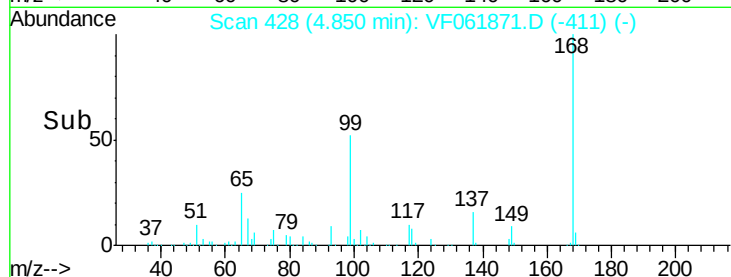
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.005 ug/l

RT: 2.54 min Scan# 194

Delta R.T. -0.04 min

Lab File: VF061871.D

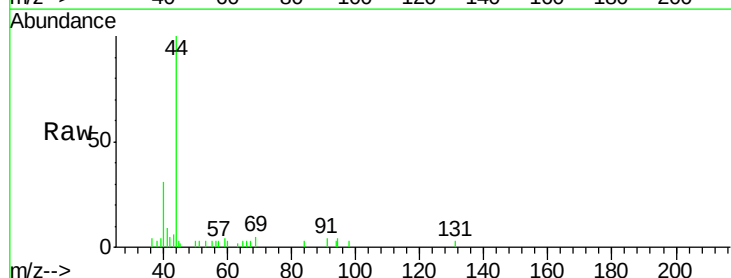
Acq: 8 Mar 2019 19:15

Tgt Ion: 59 Resp: 107

Ion Ratio Lower Upper

59 100

57 81.1 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

200

150

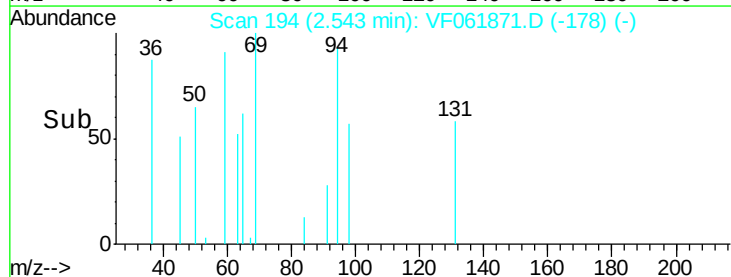
100

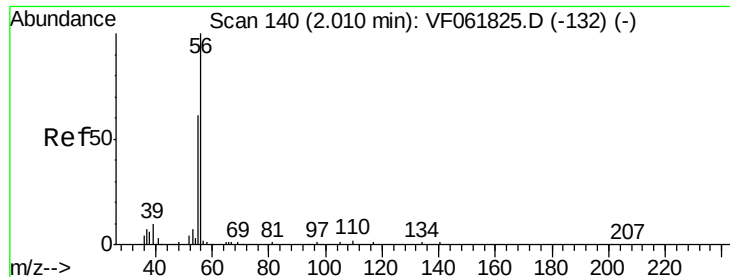
50

0

2.52 2.54 2.56

Time-->





#13

Acrolein

Concen: 3.506 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.12 min

Lab File: VF061871.D

Acq: 8 Mar 2019 19:15

Instrument :

MSVOA_F

ClientSampled :

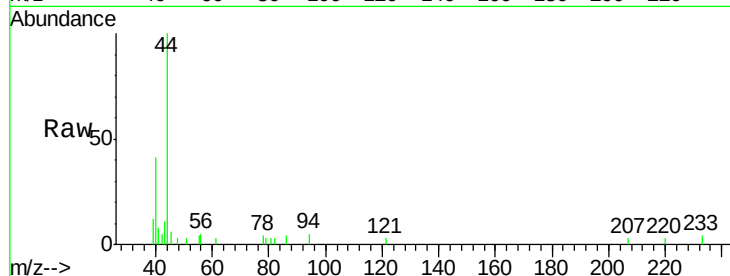
TP-7

Tot Ion: 56 Resp: 473

Ion Ratio Lower Upper

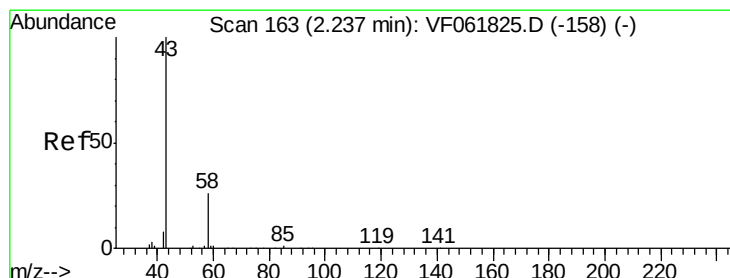
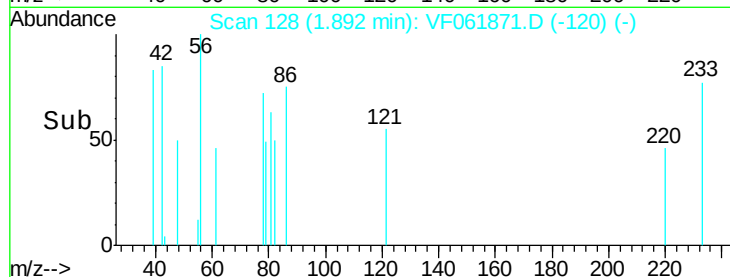
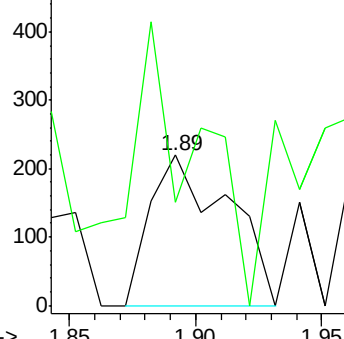
56 100

55 68.2 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: 17.533 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061871.D

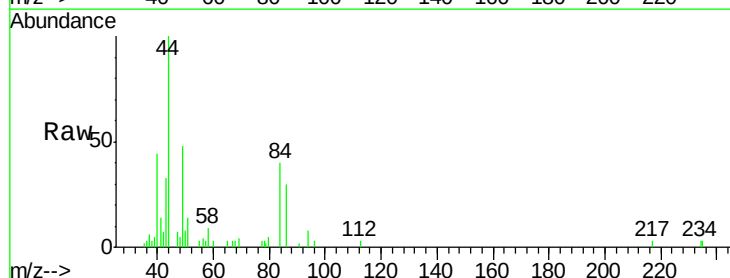
Acq: 8 Mar 2019 19:15

Tgt Ion: 43 Resp: 6889

Ion Ratio Lower Upper

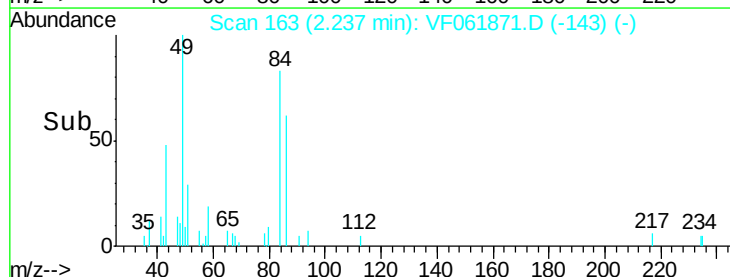
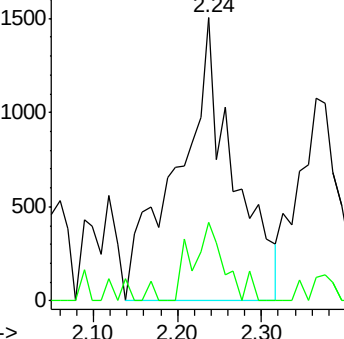
43 100

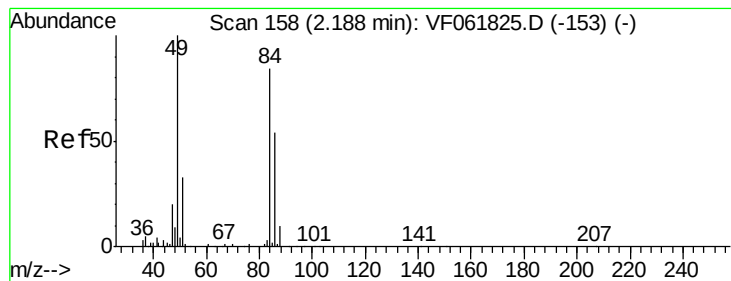
58 27.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061871.D

Acq: 8 Mar 2019 19:15

Instrument :

MSVOA_F

ClientSampled :

TP-7

Tot Ion: 84 Resp: 3831

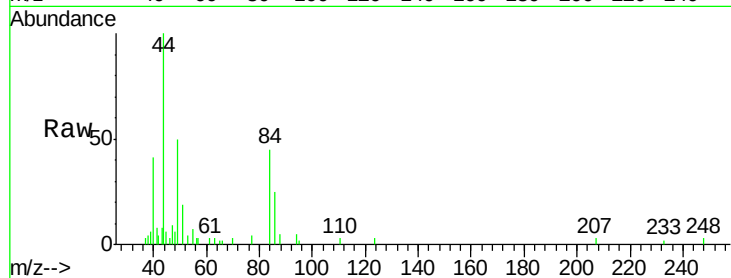
Ion Ratio Lower Upper

84 100

49 111.6 96.8 145.2

51 42.8 31.8 47.6

86 54.7 51.6 77.4

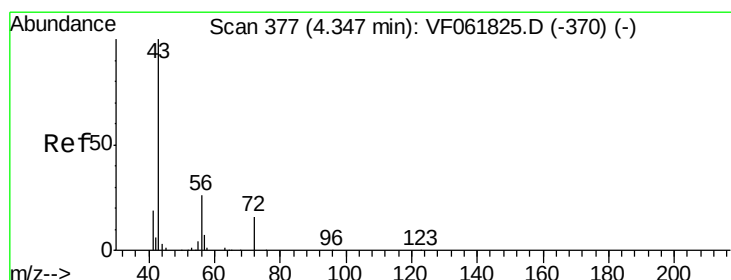
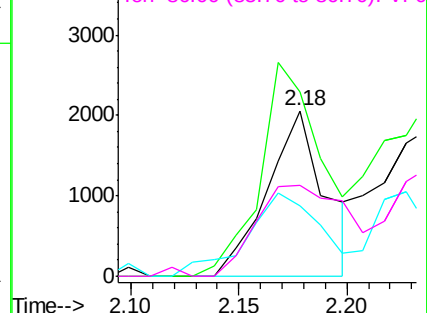
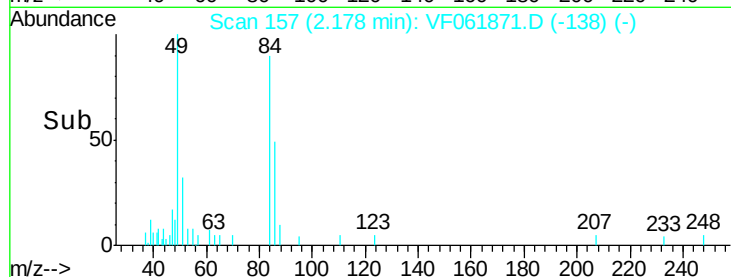


Abundance Ion 84.00 (83.70 to 84.70): VF0

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: 1.231 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.03 min

Lab File: VF061871.D

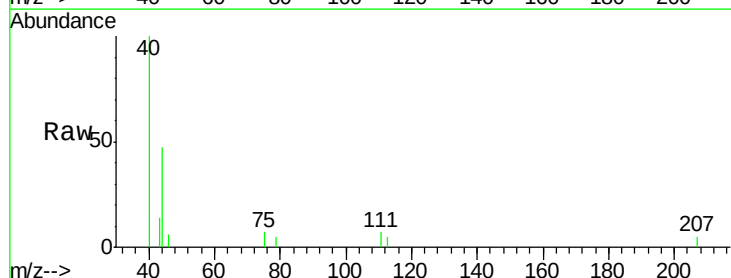
Acq: 8 Mar 2019 19:15

Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

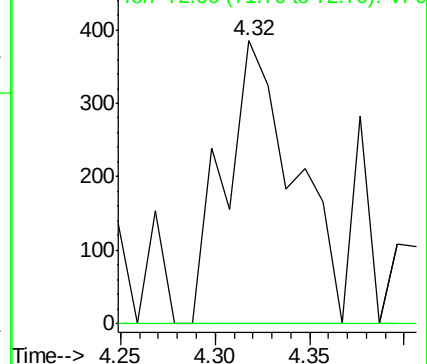
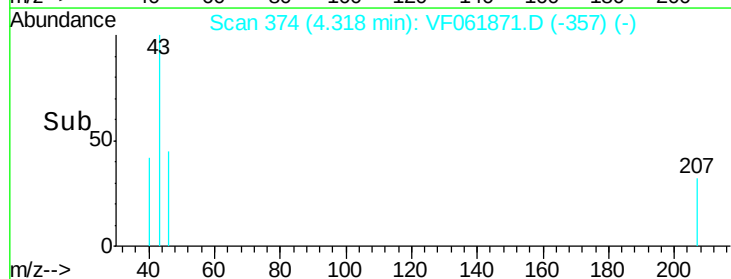
43 100

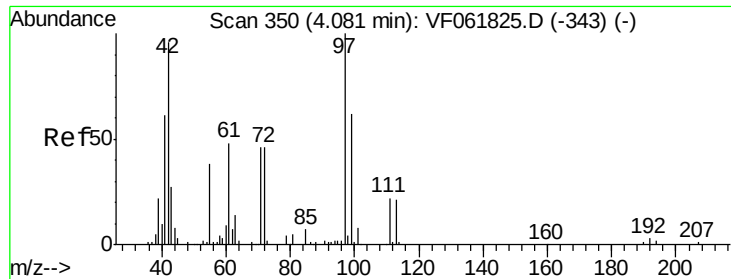
72 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

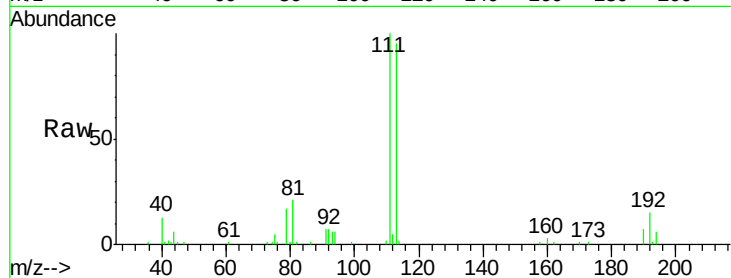




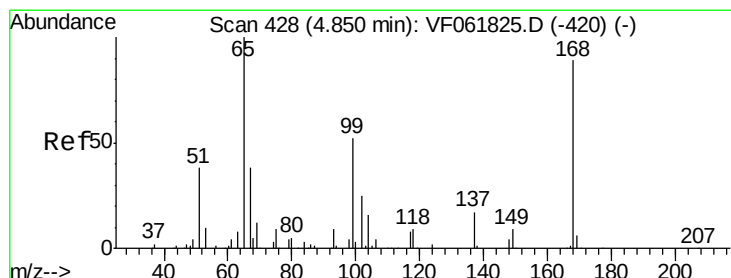
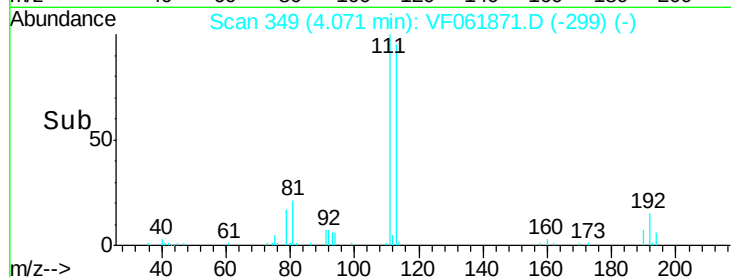
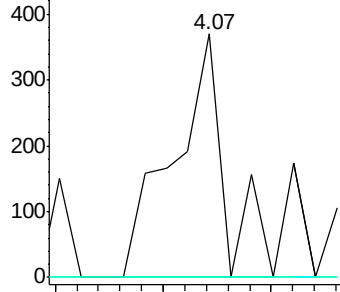
#29
Tetrahydrofuran
Concen: 1.790 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061871.D
Acq: 8 Mar 2019 19:15

Instrument :
MSVOA_F
ClientSampleId :
TP-7

Tot Ion: 42 Resp: 617
Ion Ratio Lower Upper
42 100
72 0.0 34.4 51.6#
71 0.0 34.6 52.0#

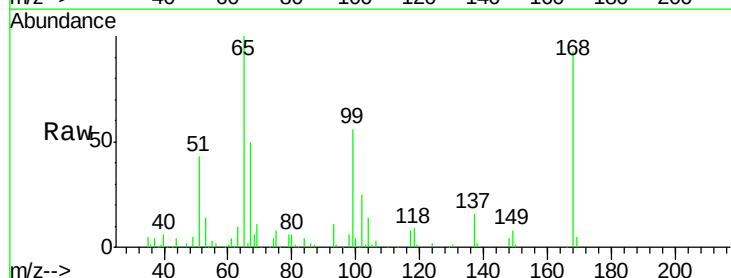


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

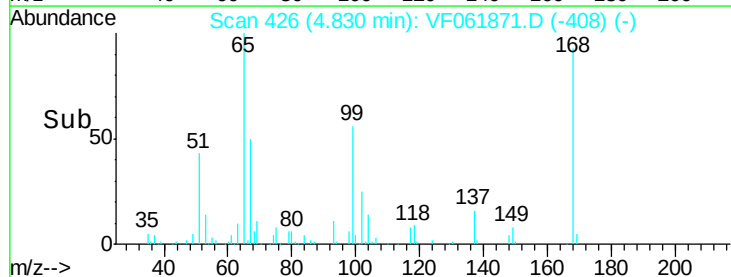
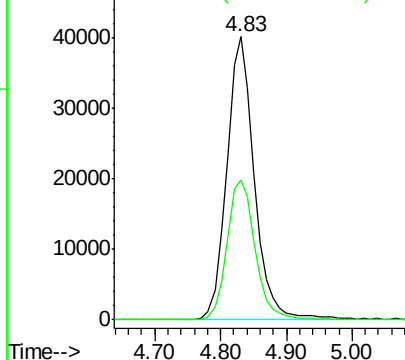


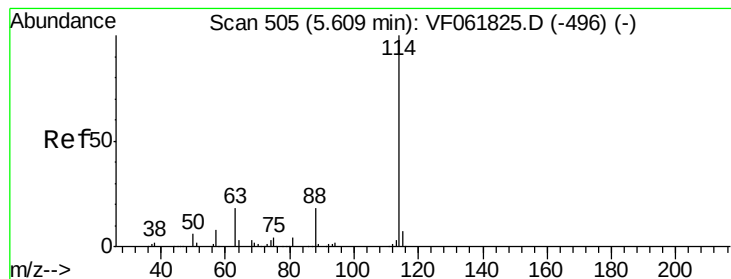
#33
1,2-Dichloroethane-d4
Concen: 62.783 ug/l
RT: 4.83 min Scan# 426
Delta R.T. -0.02 min
Lab File: VF061871.D
Acq: 8 Mar 2019 19:15

Tgt Ion: 65 Resp: 117763
Ion Ratio Lower Upper
65 100
67 49.6 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: VF061871.D

Acq: 8 Mar 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

TP-7

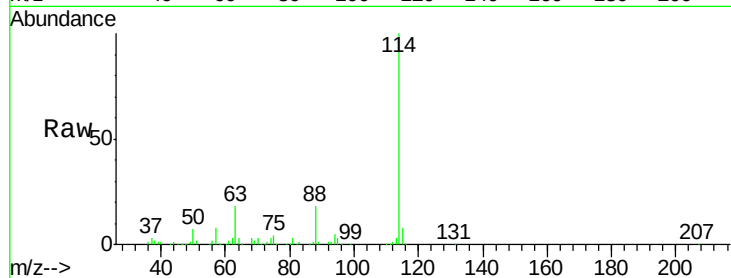
Tot Ion:114 Resp: 403812

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.6

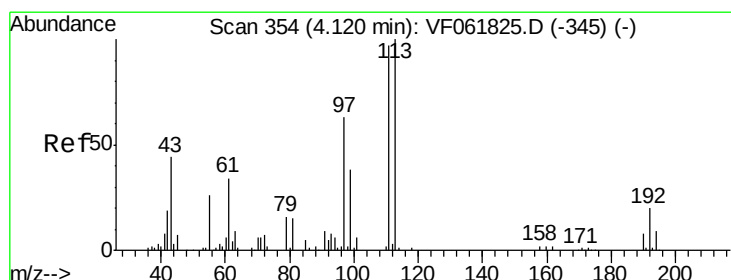
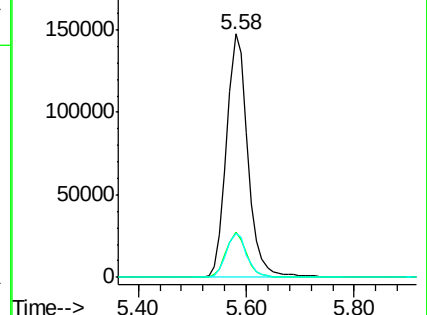
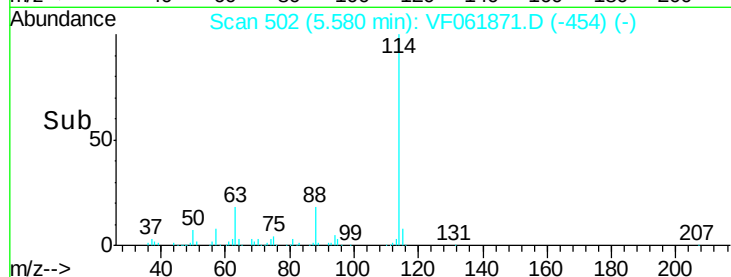
88 17.8 0.0 35.6



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: 58.948 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061871.D

Acq: 8 Mar 2019 19:15

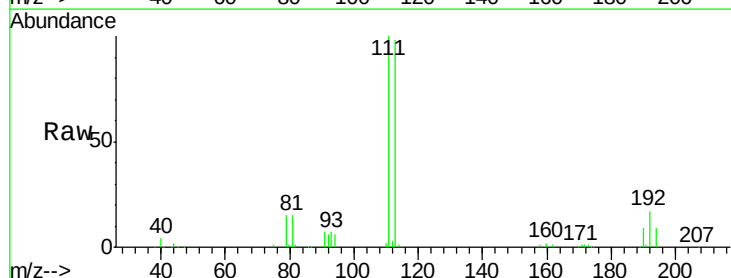
Tgt Ion:113 Resp: 166119

Ion Ratio Lower Upper

113 100

111 102.0 77.6 116.4

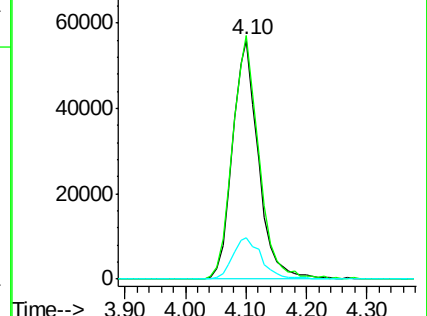
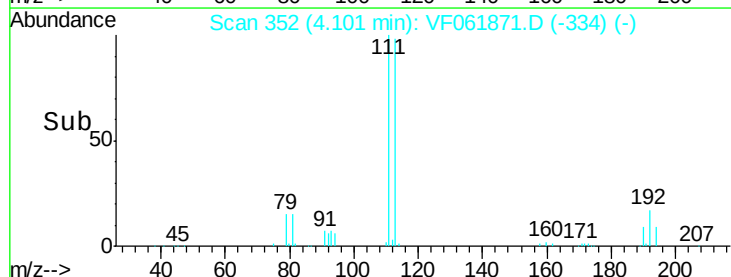
192 17.5 15.9 23.9

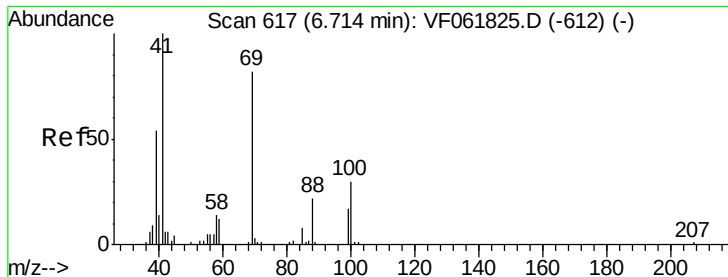


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

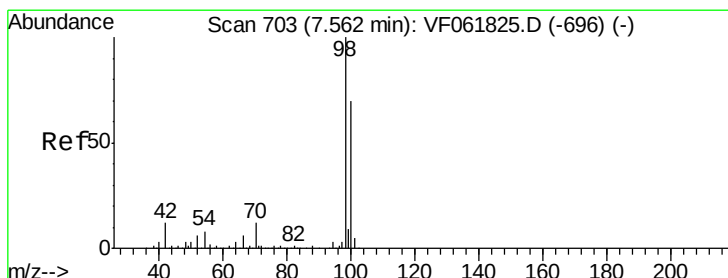
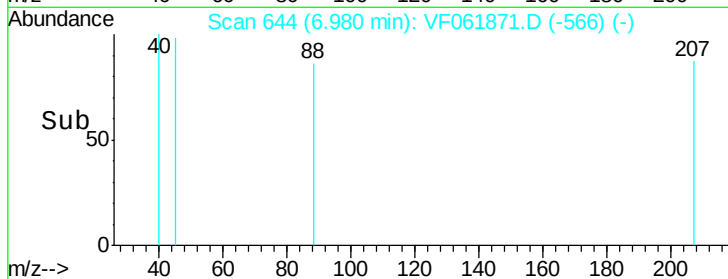
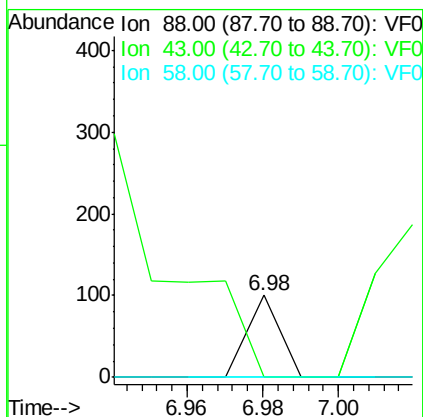
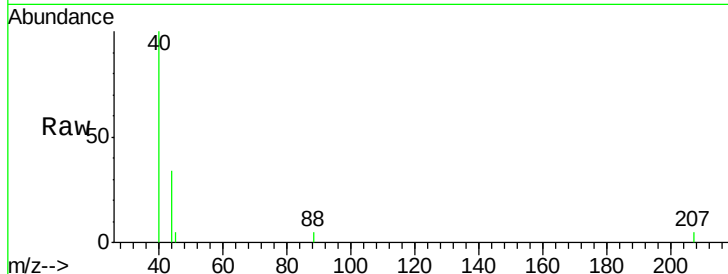




#49
1,4-Dioxane
Concen: 5.167 ug/l
RT: 6.98 min Scan# 644
Delta R.T. 0.27 min
Lab File: VF061871.D
Acq: 8 Mar 2019 19:15

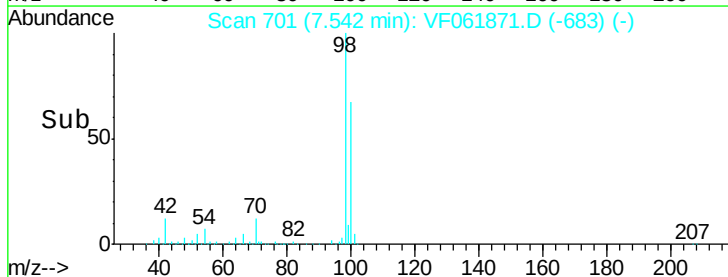
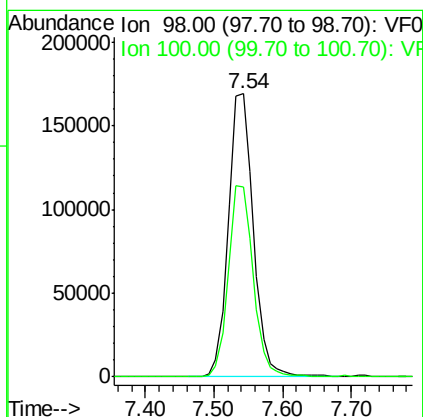
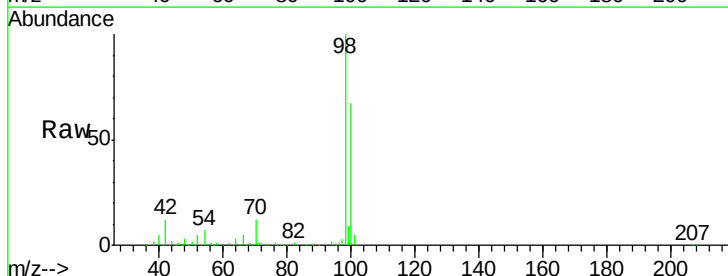
Instrument :
MSVOA_F
ClientSampleId :
TP-7

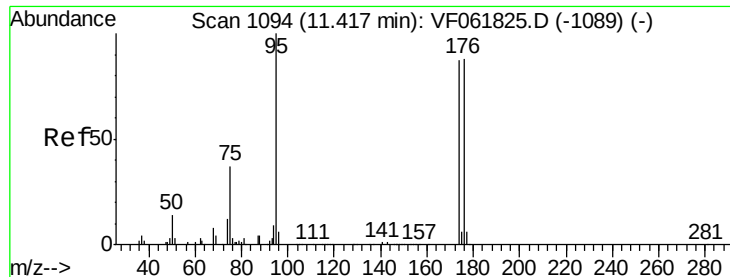
Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 28.4 42.6#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 50.986 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061871.D
Acq: 8 Mar 2019 19:15

Tgt Ion: 98 Resp: 427066
Ion Ratio Lower Upper
98 100
100 67.3 56.0 84.0





#62

4-Bromofluorobenzene

Concen: 56.991 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061871.D

Acq: 8 Mar 2019 19:15

Instrument :

MSVOA_F

ClientSampleId :

TP-7

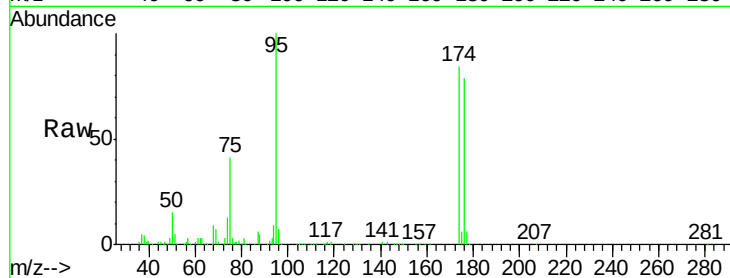
Tot Ion: 95 Resp: 186998

Ion Ratio Lower Upper

95 100

174 84.3 0.0 174.0

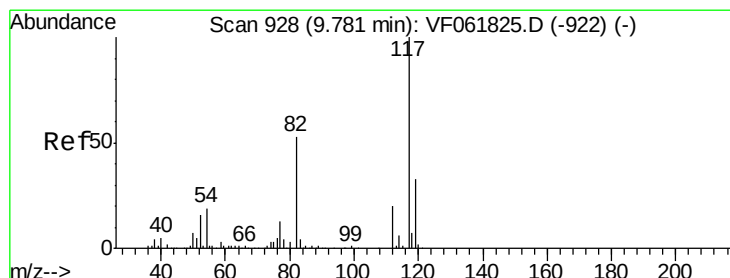
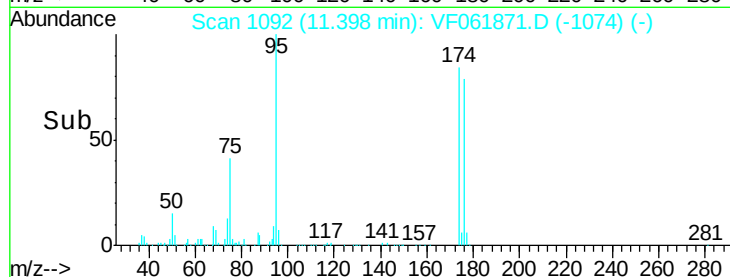
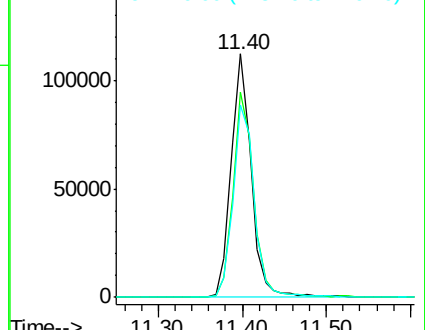
176 79.2 0.0 175.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061871.D

Acq: 8 Mar 2019 19:15

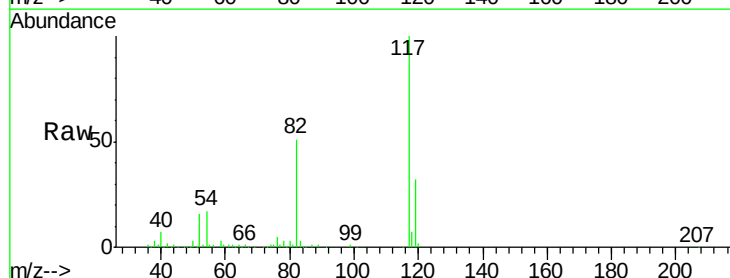
Tgt Ion: 117 Resp: 358455

Ion Ratio Lower Upper

117 100

82 51.1 42.6 63.8

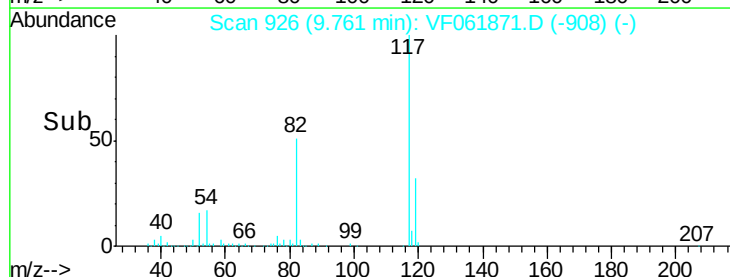
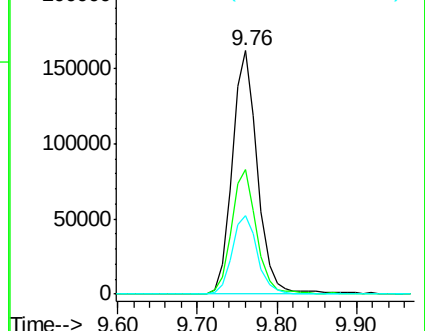
119 32.4 26.0 39.0

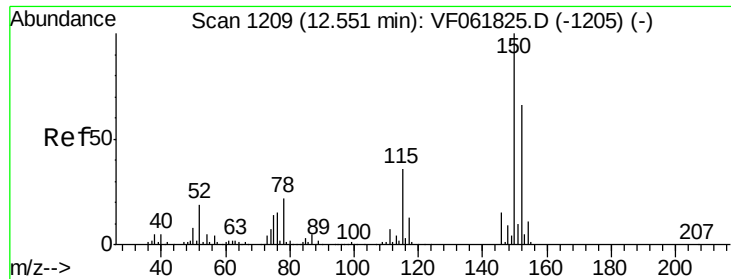


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



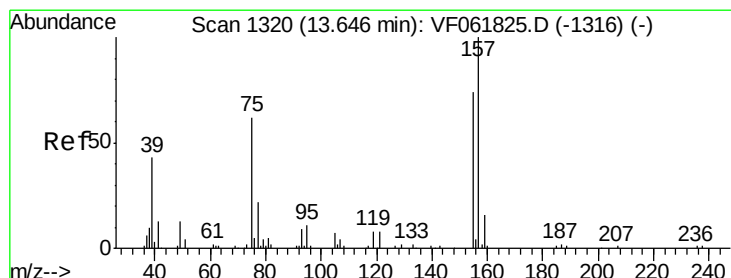
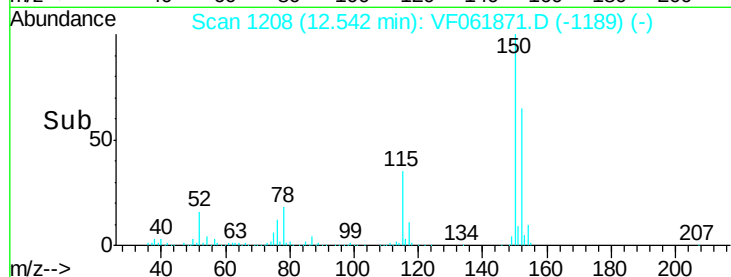
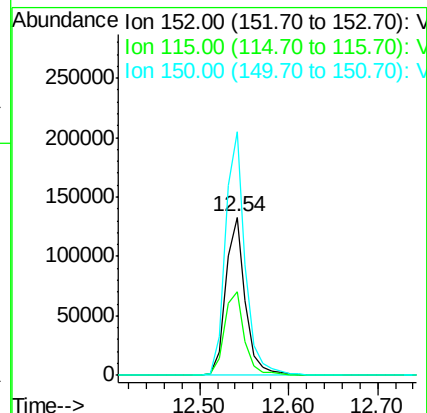
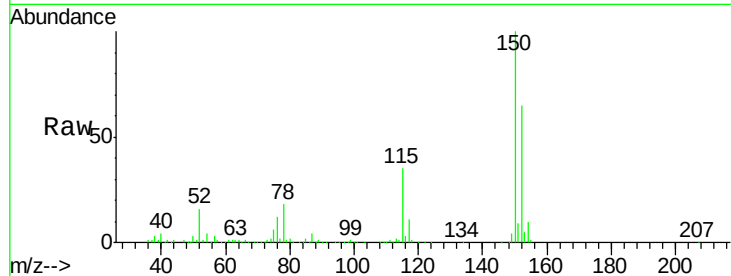


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061871.D
Acq: 8 Mar 2019 19:15

Instrument :
MSVOA_F
ClientSampled :
TP-7

Tot Ion:152 Resp: 207779
Ion Ratio Lower Upper
152 100
115 53.2 27.7 83.1
150 154.0 0.0 304.2



#92

1,2-Dibromo-3-Chloropropane
Concen: 3.994 ug/l
RT: 13.56 min Scan# 1311
Delta R.T. -0.09 min
Lab File: VF061871.D
Acq: 8 Mar 2019 19:15

Tgt Ion: 75 Resp: 101
Ion Ratio Lower Upper
75 100
155 0.0 59.8 179.4#
157 0.0 81.2 243.4#

