

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030819\
 Data File : VF061874.D
 Acq On : 8 Mar 2019 20:42
 Operator : VA/AP
 Sample : K1807-19
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-10

Quant Time: Mar 09 00:47:40 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	0.00	168	0	0.00	ug/l	-4.88
34) 1,4-Difluorobenzene	5.61	114	67	50.00	ug/l	0.00
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.78
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

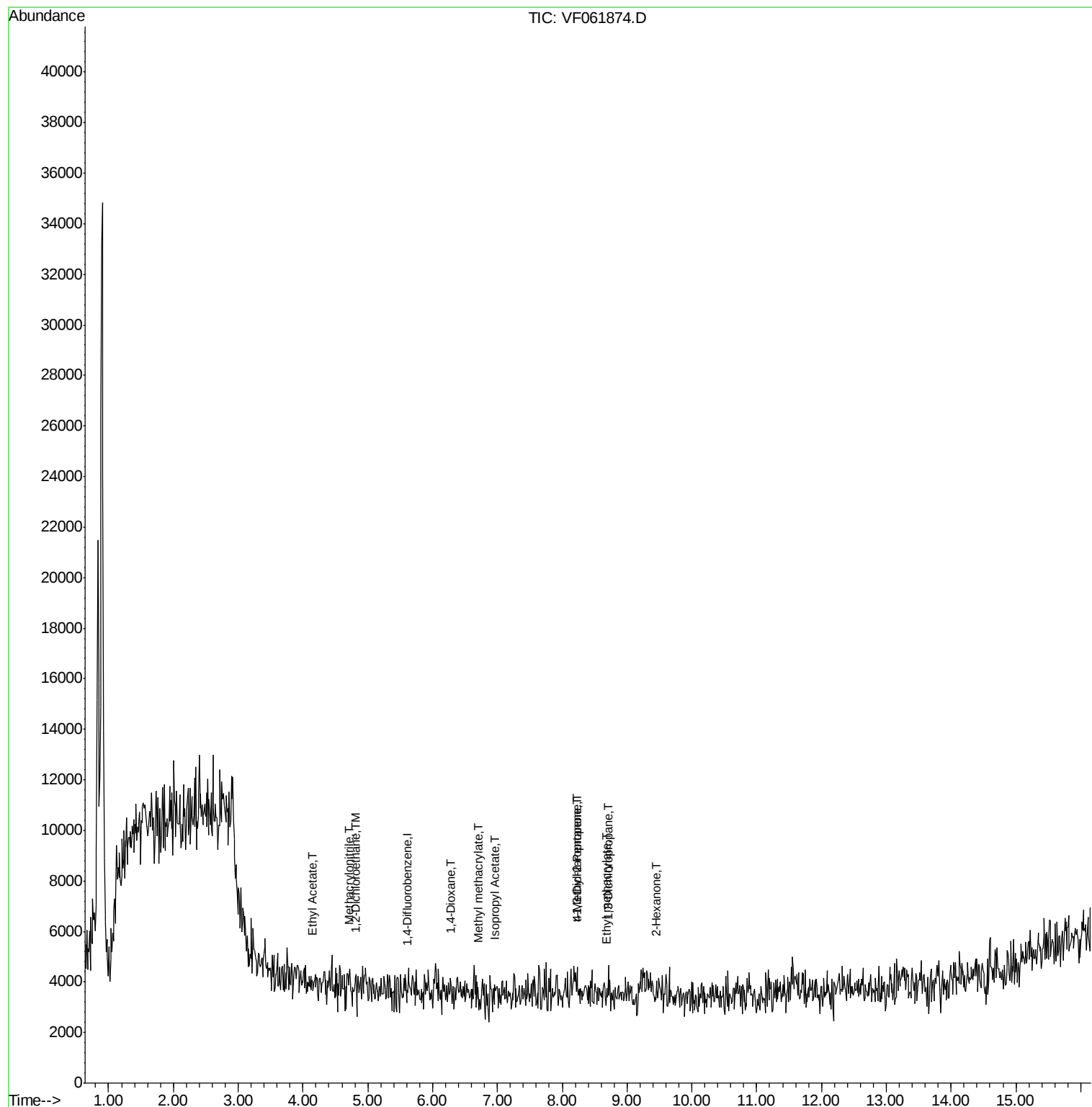
						Qvalue
37) Ethyl Acetate	4.14	43	296	1114.269	ug/l #	20
41) Methacrylonitrile	4.73	41	176	1209.256	ug/l #	46
42) 1,2-Dichloroethane	4.80	62	60	145.536	ug/l	72
43) Isopropyl Acetate	6.95	43	216	659.640	ug/l #	42
48) Methyl methacrylate	6.70	41	78	376.382	ug/l #	18
49) 1,4-Dioxane	6.29	88	65	34310.855	ug/l #	1
51) 4-Methyl-2-Pentanone	8.24	43	214	945.589	ug/l #	35
53) t-1,3-Dichloropropene	8.22	75	60	132.894	ug/l #	40
56) Ethyl methacrylate	8.69	69	65	204.543	ug/l #	24
57) 1,3-Dichloropropane	8.71	76	71	153.968	ug/l #	43
59) 2-Hexanone	9.46	43	79	483.872	ug/l	68

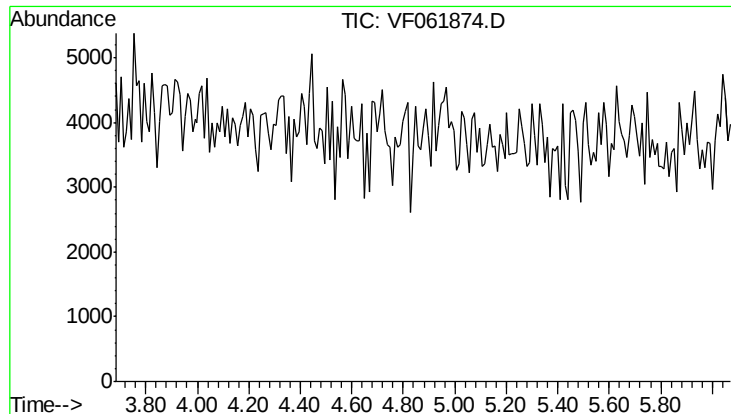
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.88 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Tot Ion: 168

Sig Exp Ratio

168 100

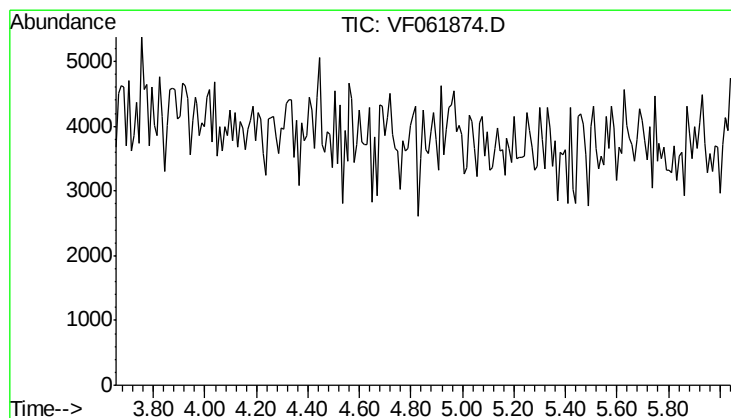
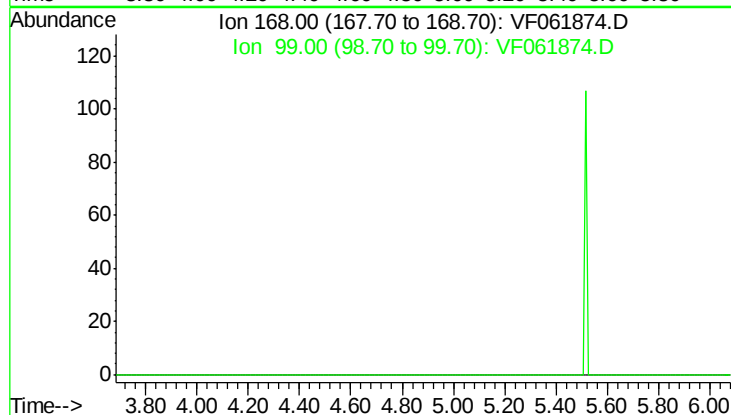
99 51.0

Instrument :

MSVOA_F

ClientSampleId :

TP-10



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 4.85 min

Lab File: VF061874.D

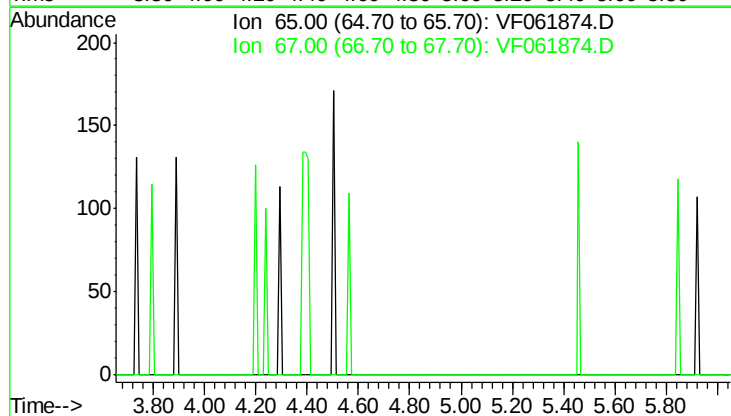
Acq: 8 Mar 2019 20:42

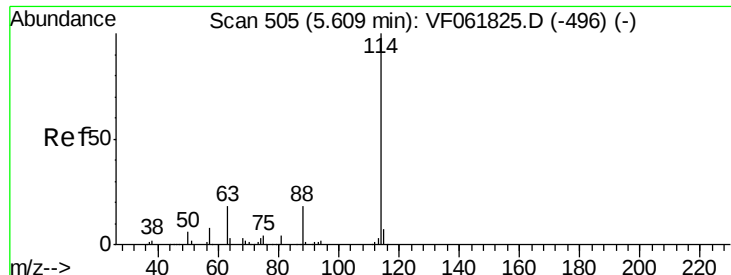
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.3





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.00 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-10

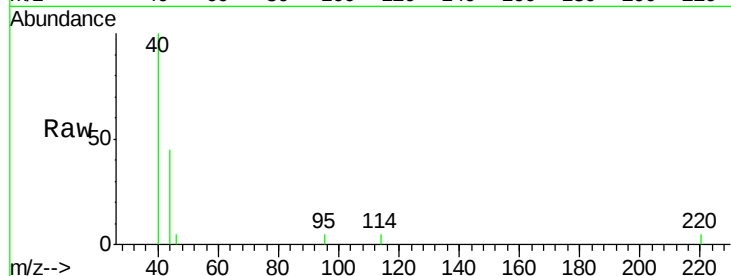
Tot Ion:114 Resp: 67

Ion Ratio Lower Upper

114 100

63 0.0 0.0 35.6

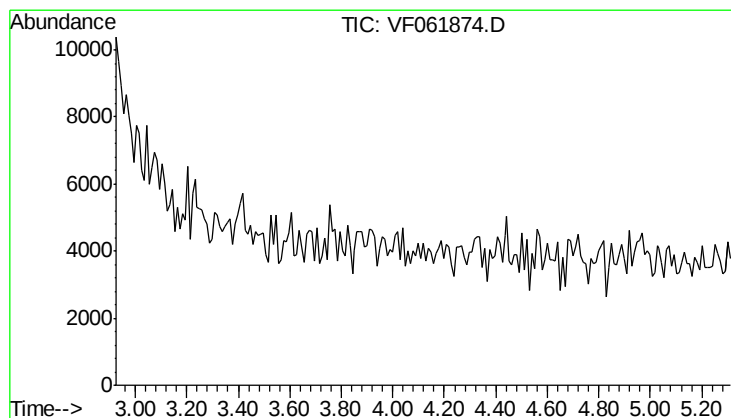
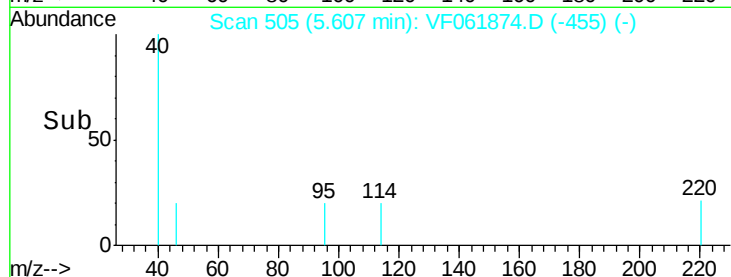
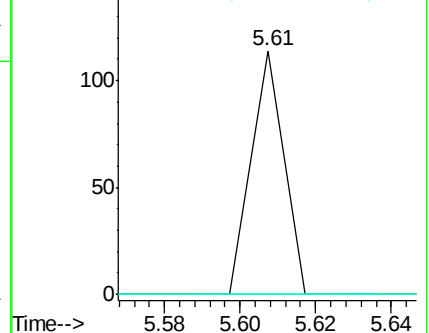
88 0.0 0.0 35.6



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: 0.000 ug/l

Expected RT: 4.12 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

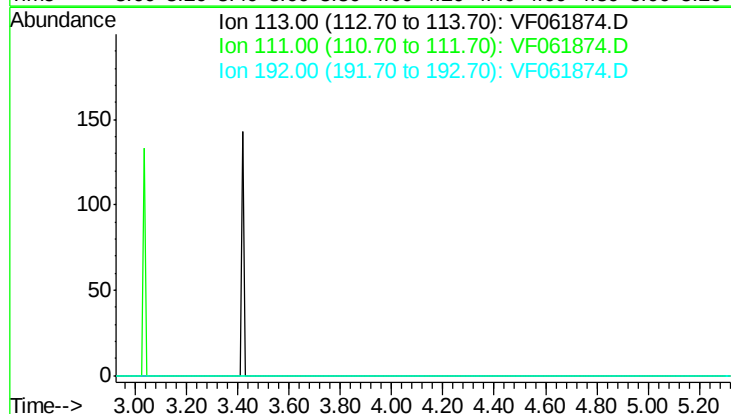
Tgt Ion: 113

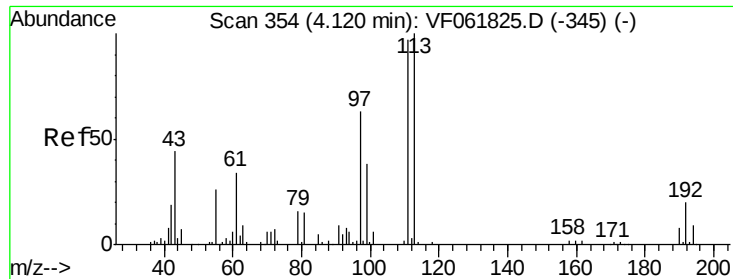
Sig Exp Ratio

113 100

111 97.0

192 19.9





#37

Ethyl Acetate

Concen: 1114.269 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-10

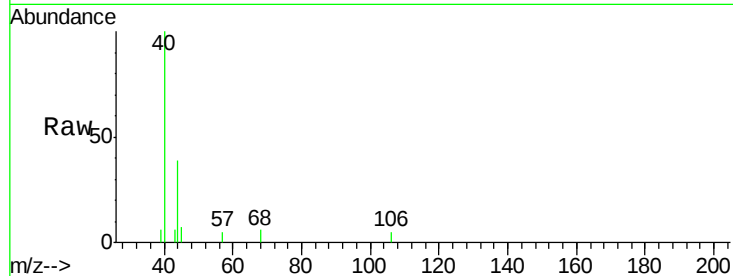
Tot Ion: 43 Resp: 296

Ion Ratio Lower Upper

43 100

61 0.0 60.7 91.1#

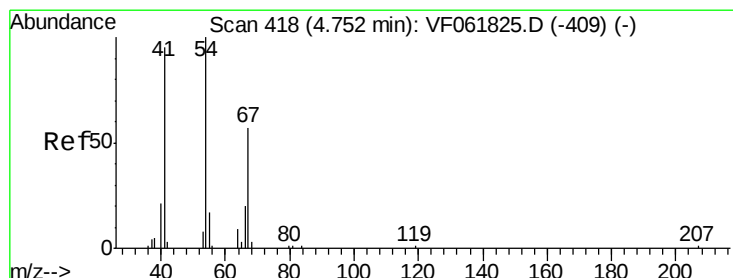
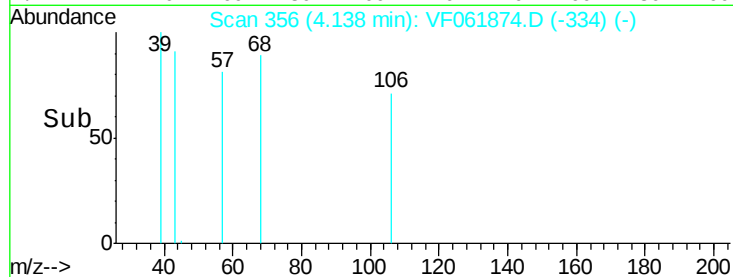
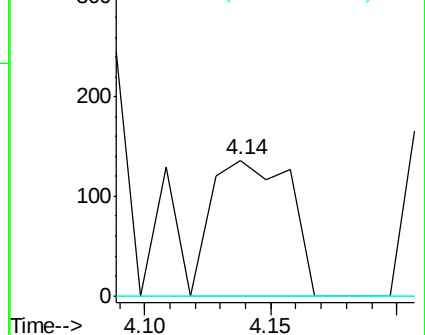
70 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#41

Methacrylonitrile

Concen: 1209.256 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.02 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Tgt Ion: 41 Resp: 176

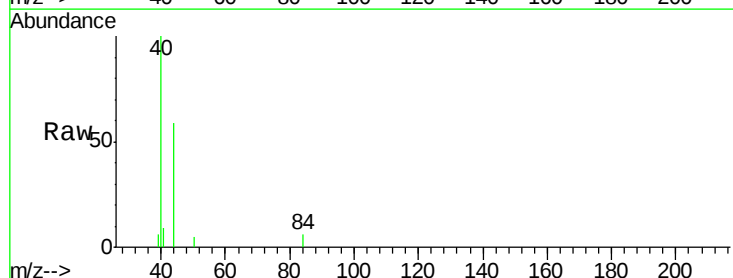
Ion Ratio Lower Upper

41 100

39 60.5 43.0 64.6

67 0.0 47.8 71.8#

52 0.0 40.5 60.7#

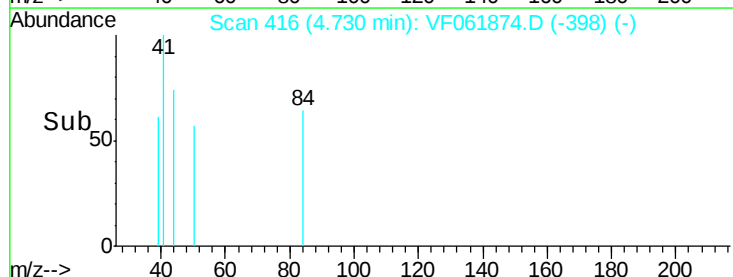
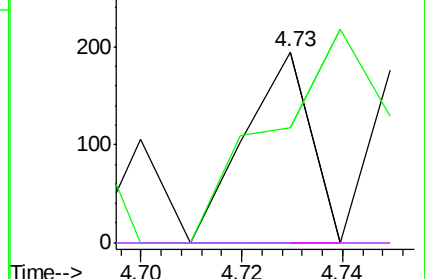


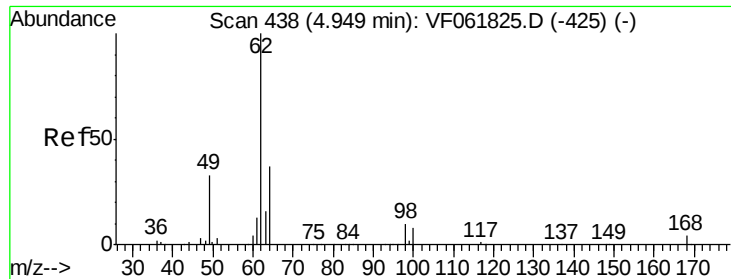
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 145.536 ug/l

RT: 4.80 min Scan# 423

Delta R.T. -0.15 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

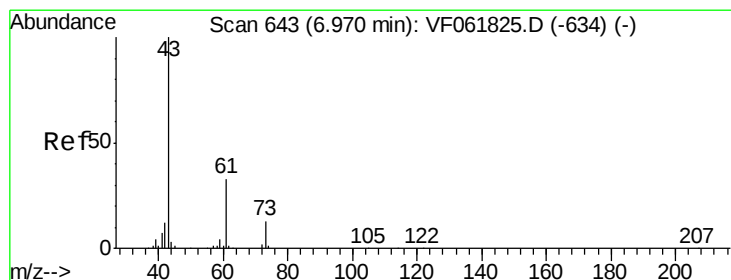
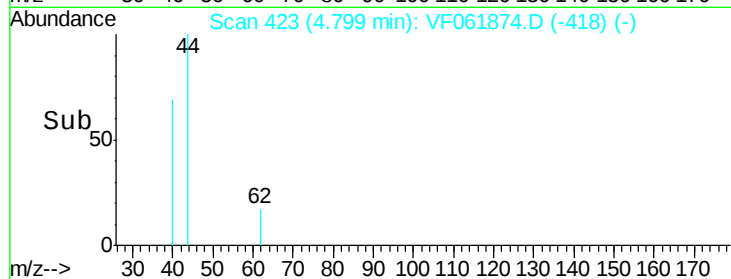
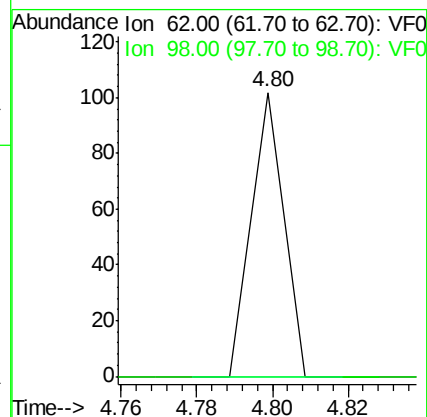
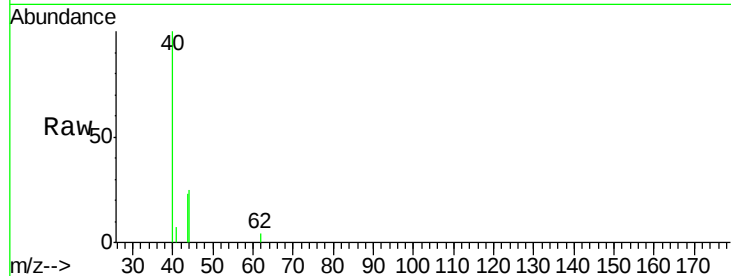
TP-10

Tot Ion: 62 Resp: 60

Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.0



#43

Isopropyl Acetate

Concen: 659.640 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

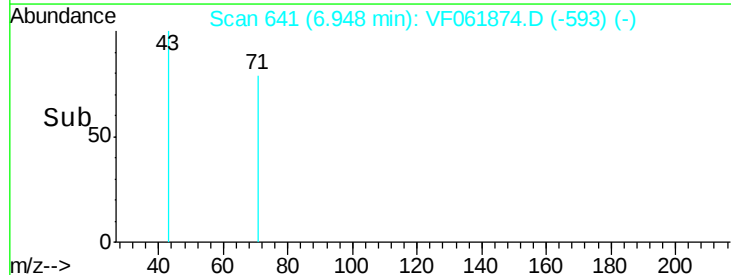
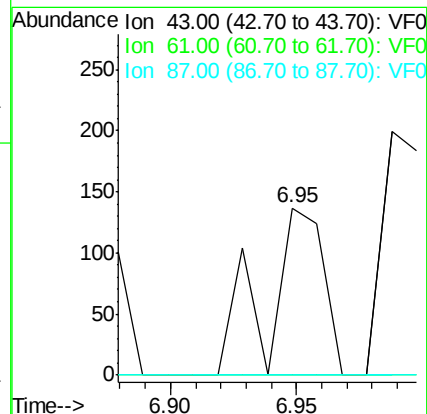
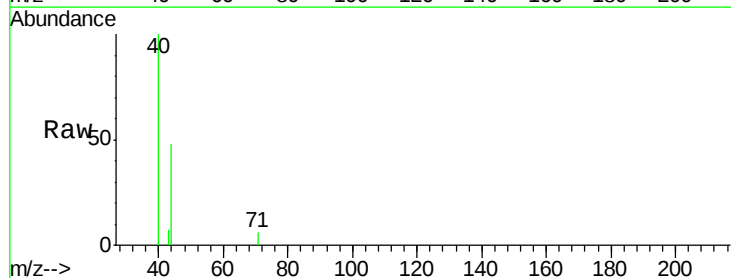
Tgt Ion: 43 Resp: 216

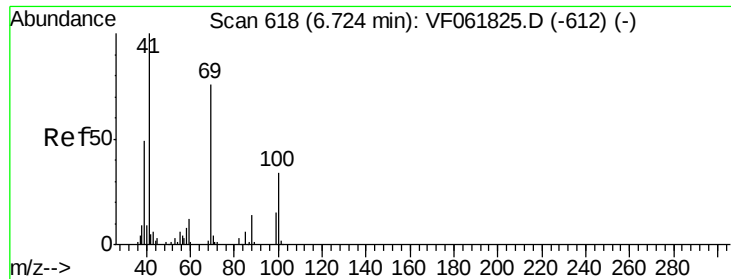
Ion Ratio Lower Upper

43 100

61 0.0 26.1 39.1#

87 0.0 0.0 0.0

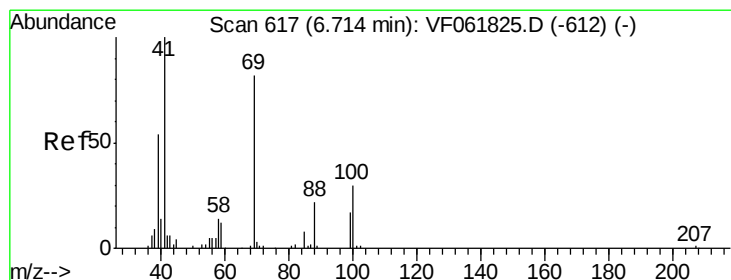
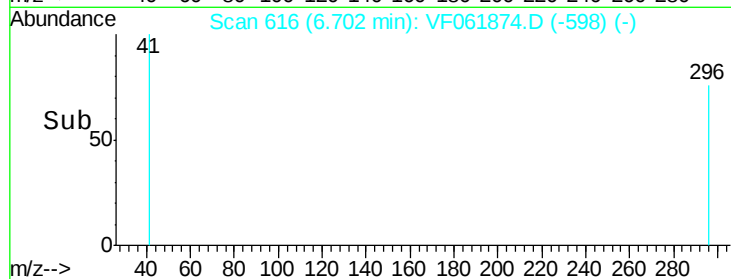
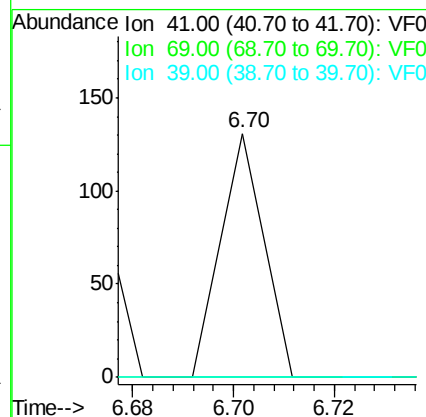
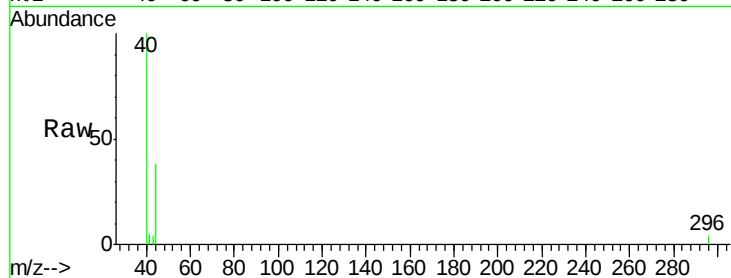




#48
Methvl methacrylate
Concen: 376.382 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.02 min
Lab File: VF061874.D
Acq: 8 Mar 2019 20:42

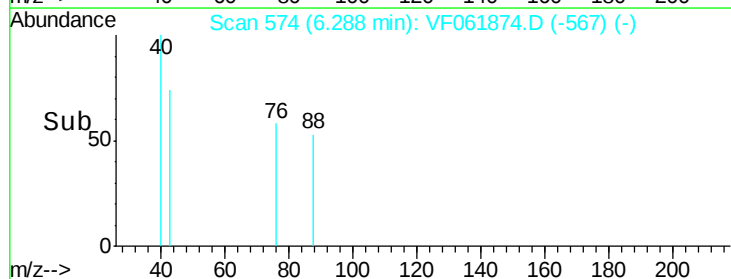
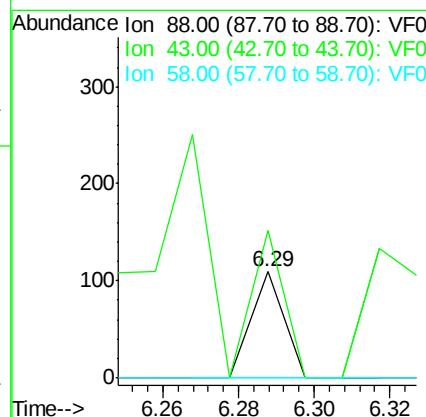
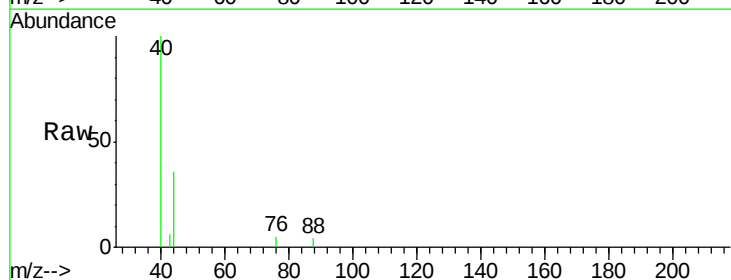
Instrument :
MSVOA_F
ClientSampleId :
TP-10

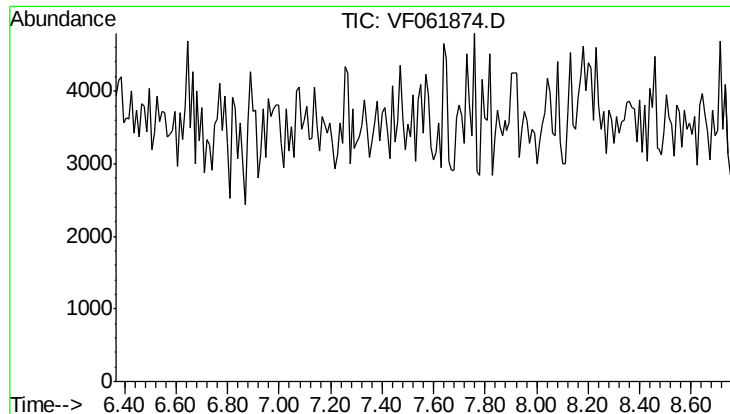
Tot Ion: 41 Resp: 78
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 0.0 39.7 59.5#



#49
1,4-Dioxane
Concen: 34310.855 ug/l
RT: 6.29 min Scan# 574
Delta R.T. -0.43 min
Lab File: VF061874.D
Acq: 8 Mar 2019 20:42

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 139.4 28.4 42.6#
58 0.0 50.7 76.1#



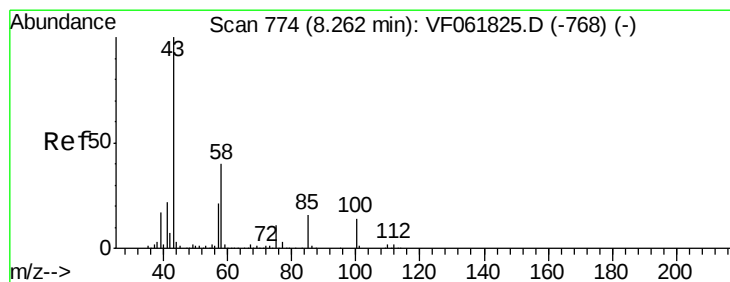
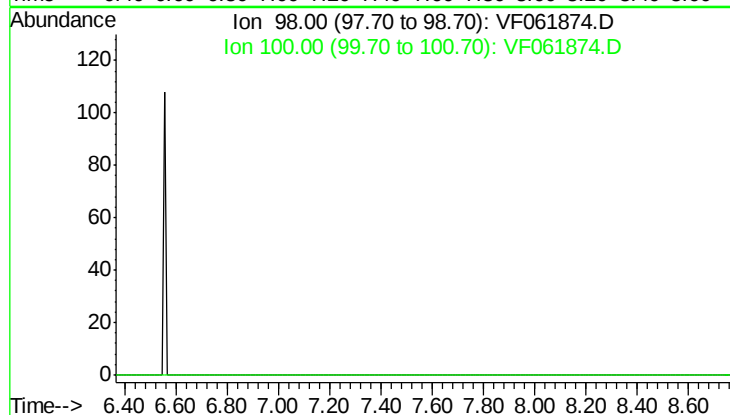


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.56 min

Lab File: VF061874.D
Acq: 8 Mar 2019 20:42

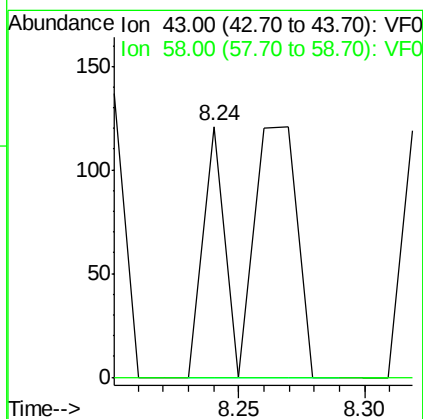
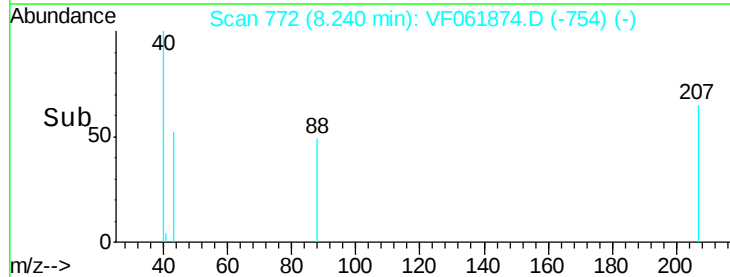
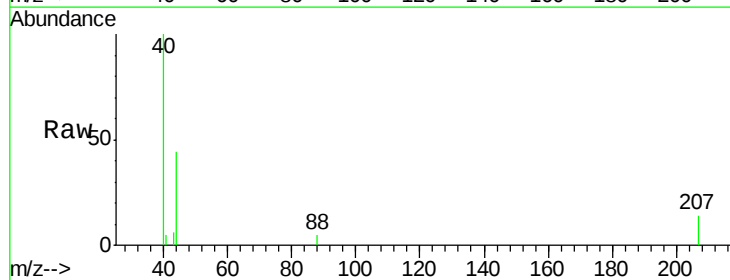
Instrument :
MSVOA_F
ClientSampleId :
TP-10

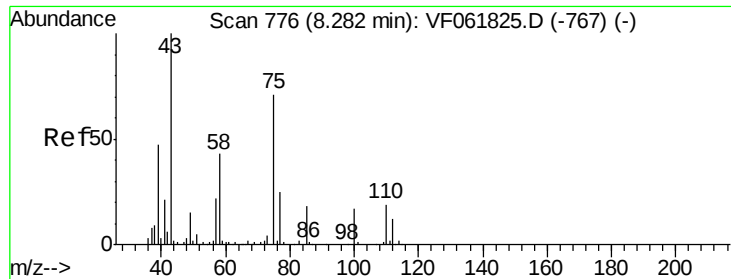
Tot Ion: 98
Sig Exp Ratio
98 100
100 70.0



#51
4-Methyl-2-Pentanone
Concen: 945.589 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.02 min
Lab File: VF061874.D
Acq: 8 Mar 2019 20:42

Tgt Ion: 43 Resp: 214
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#

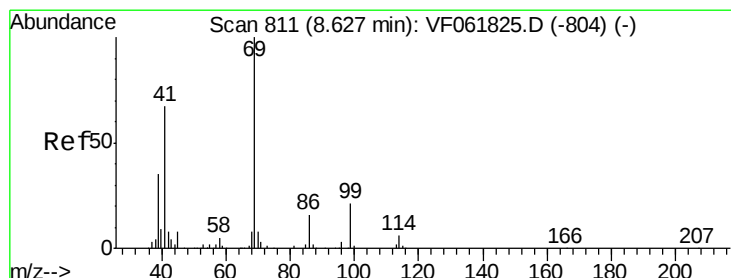
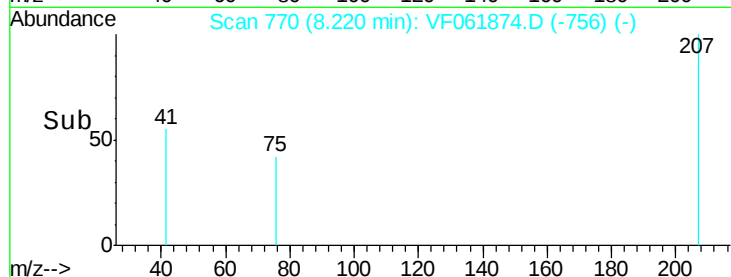
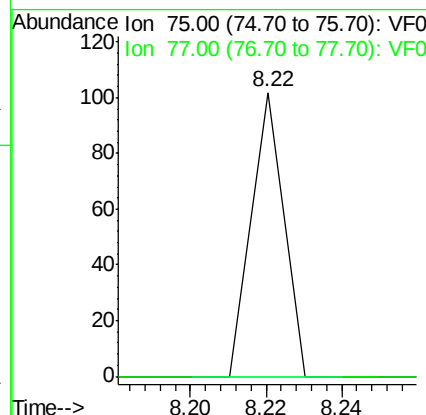
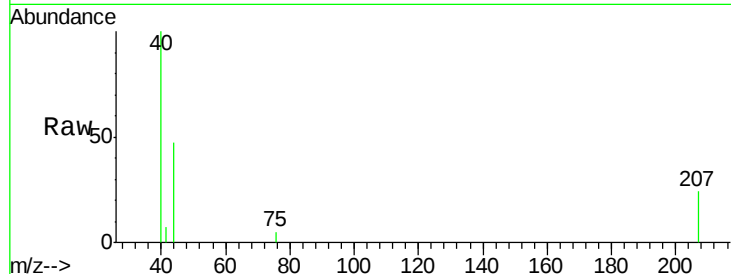




#53
t-1,3-Dichloropropene
Concen: 132.894 ug/l
RT: 8.22 min Scan# 770
Delta R.T. -0.06 min
Lab File: VF061874.D
Acq: 8 Mar 2019 20:42

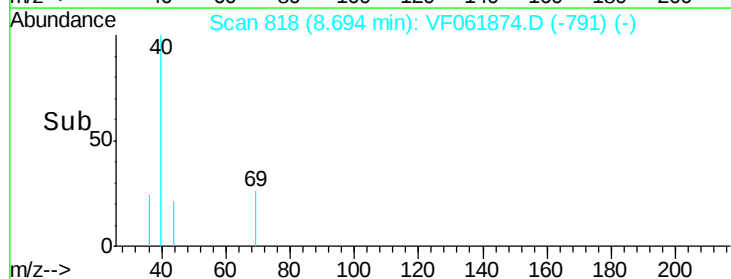
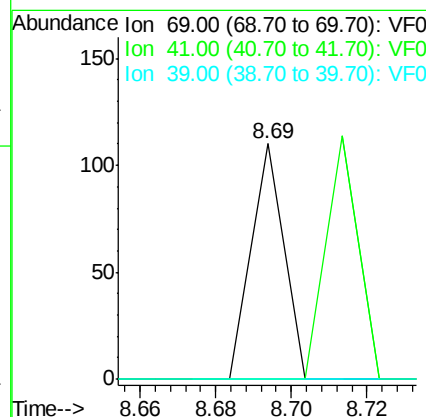
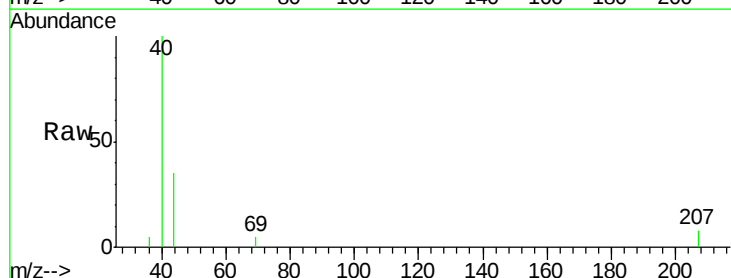
Instrument :
MSVOA_F
ClientSampleId :
TP-10

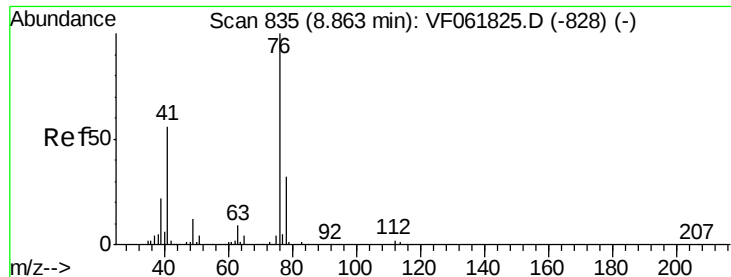
Tot Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
77 0.0 28.0 42.0#



#56
Ethyl methacrylate
Concen: 204.543 ug/l
RT: 8.69 min Scan# 818
Delta R.T. 0.07 min
Lab File: VF061874.D
Acq: 8 Mar 2019 20:42

Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 0.0 53.9 80.9#
39 0.0 28.3 42.5#





#57

1,3-Dichloropropane

Concen: 153.968 ug/l

RT: 8.71 min Scan# 820

Delta R.T. -0.15 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

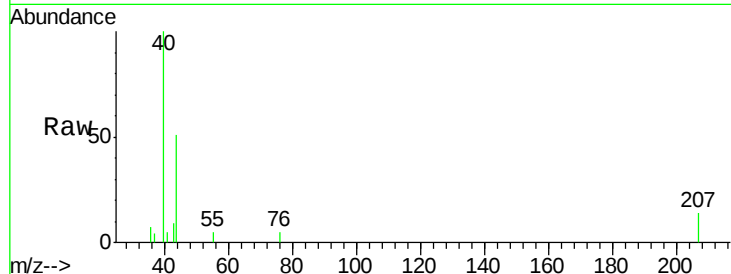
TP-10

Tot Ion: 76 Resp: 71

Ion Ratio Lower Upper

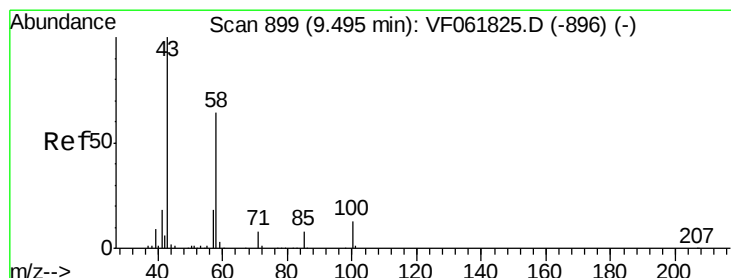
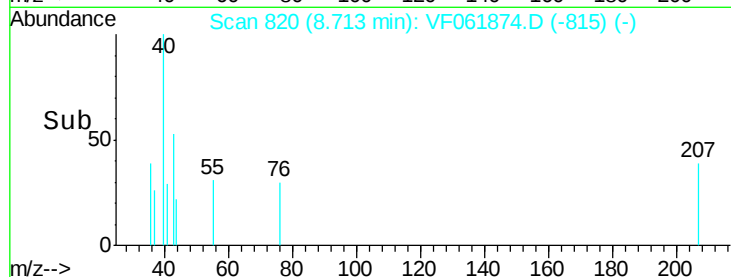
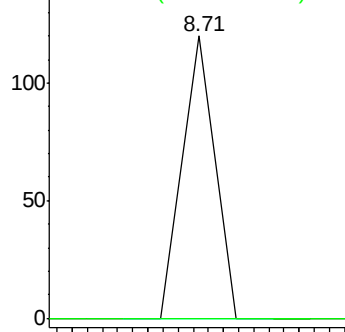
76 100

78 0.0 25.4 38.2#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#59

2-Hexanone

Concen: 483.872 ug/l

RT: 9.46 min Scan# 896

Delta R.T. -0.03 min

Lab File: VF061874.D

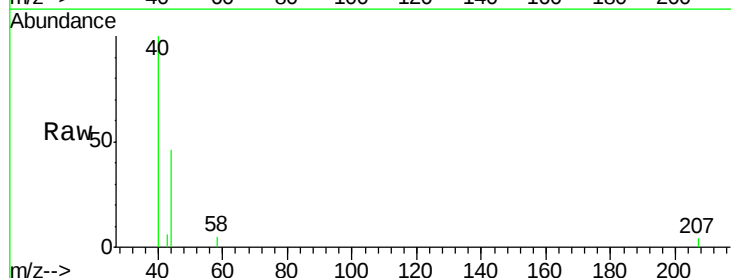
Acq: 8 Mar 2019 20:42

Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

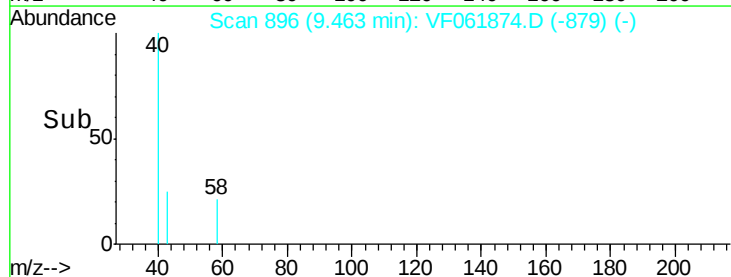
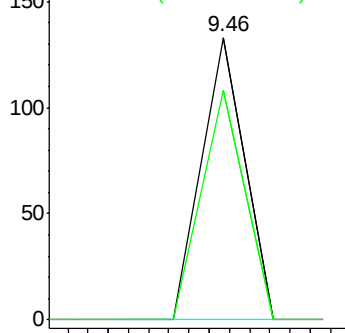
43 100

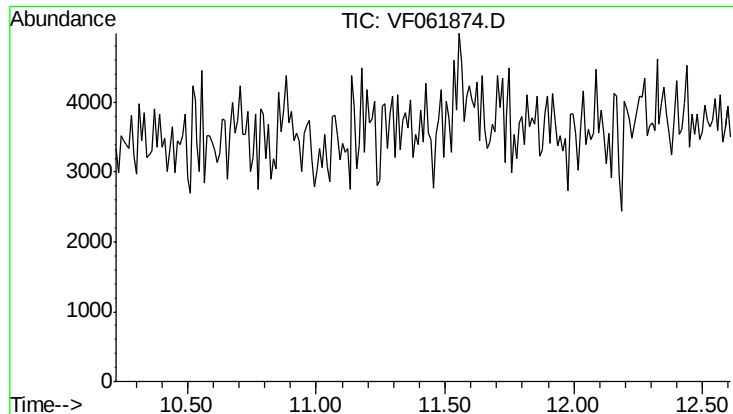
58 81.2 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.42 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Tot Ion: 95

Sig Exp Ratio

95 100

174 87.0

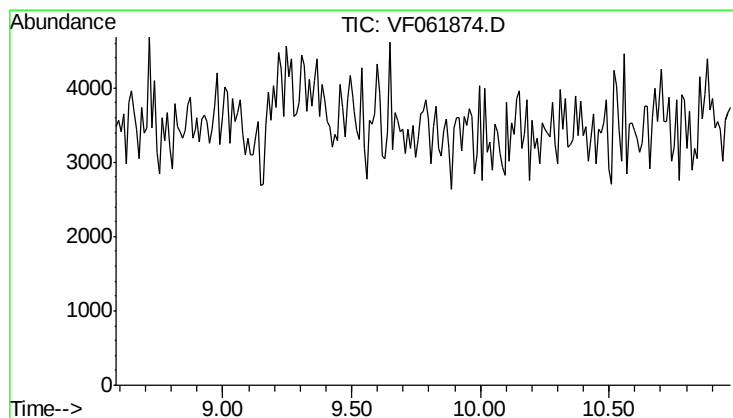
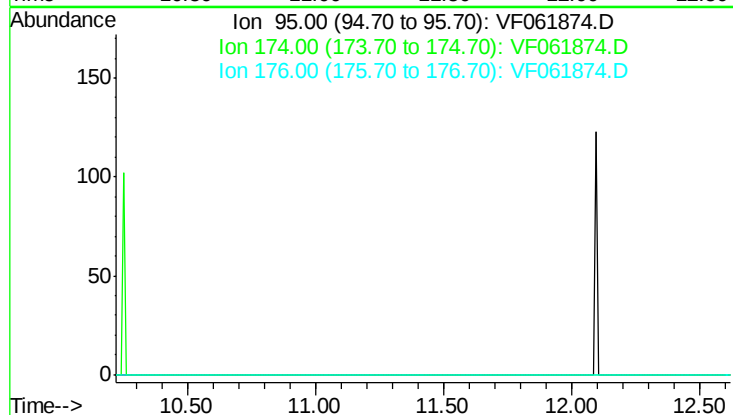
176 87.6

Instrument :

MSVOA_F

ClientSampleId :

TP-10



#63

Chlorobenzene-d5

Concen: 0.000 ug/l

Expected RT: 9.78 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

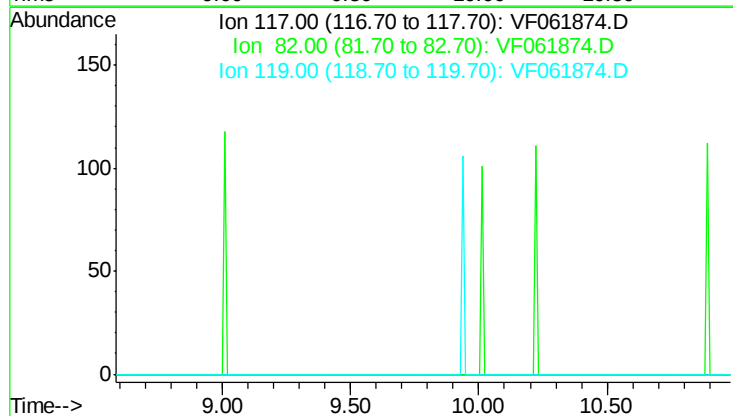
Tgt Ion: 117

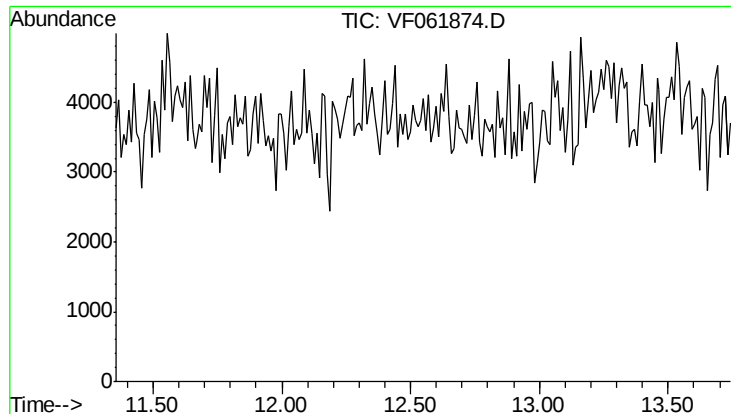
Sig Exp Ratio

117 100

82 53.2

119 32.5





#72

1,4-Dichlorobenzene-d4

Concen: 0.000 ug/l

Expected RT: 12.55 min

Lab File: VF061874.D

Acq: 8 Mar 2019 20:42

Tot Ion: 152

Sig Exp Ratio

152 100

115 55.4

150 152.1

Instrument :

MSVOA_F

ClientSampleId :

TP-10

