

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061575.D
 Acq On : 8 Feb 2019 23:33
 Operator : VA/AP
 Sample : K1349-03RE
 Misc : 7.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-020719-BRE

Quant Time: Feb 09 04:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 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	-4.86
34) 1,4-Difluorobenzene	5.57	114	69	50.00	ug/l	-0.02
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.77
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.71	65	73	0.00	ug/l	-0.12
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%	

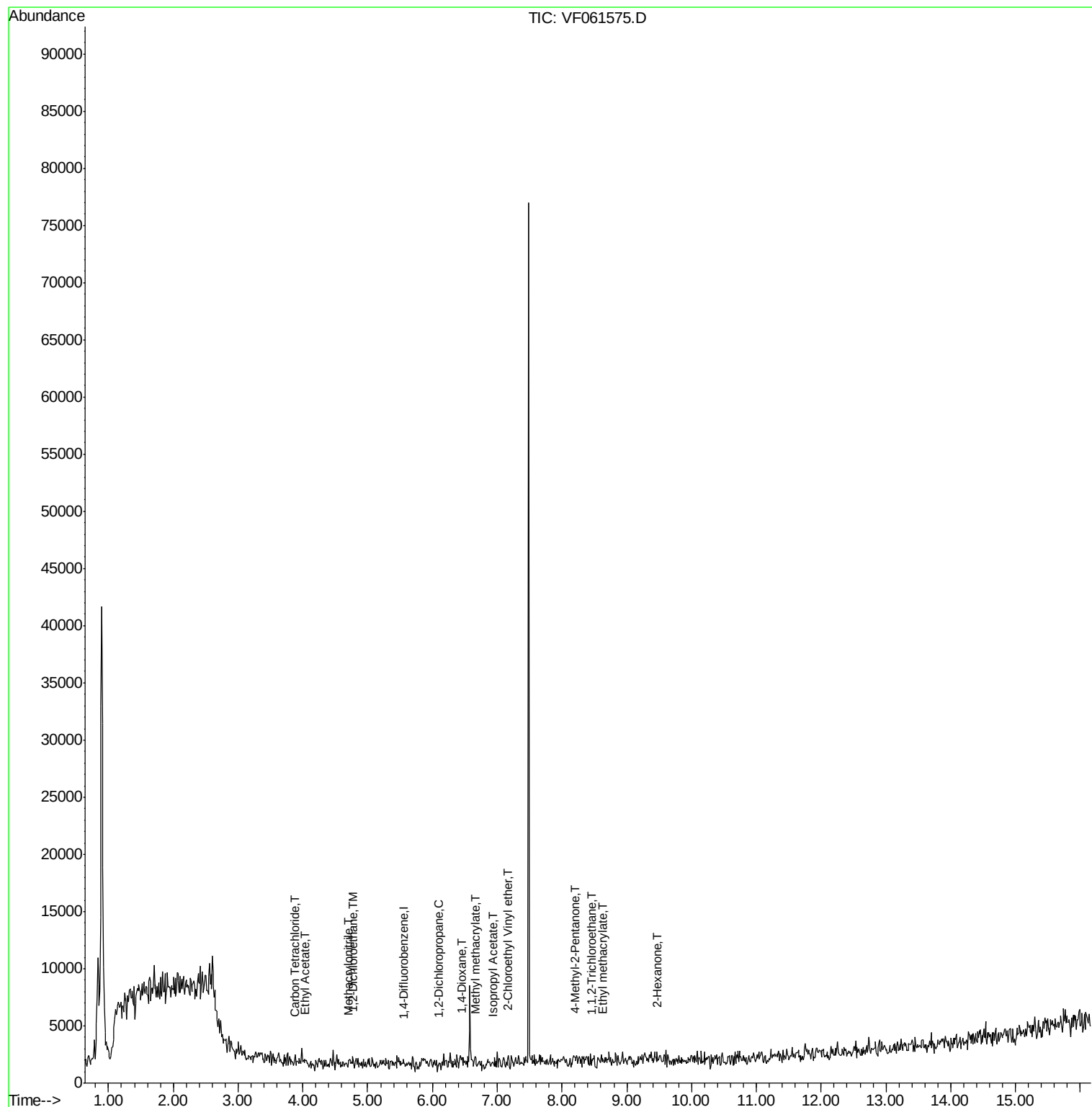
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) Ethyl Acetate	4.04	43	73	228.272	ug/l #	5
38) Carbon Tetrachloride	3.86	117	68	97.225	ug/l #	11
41) Methacrylonitrile	4.70	41	63	370.231	ug/l #	29
42) 1,2-Dichloroethane	4.78	62	75	118.230	ug/l	76
43) Isopropyl Acetate	6.93	43	79	196.829	ug/l #	51
45) 1,2-Dichloropropane	6.11	63	60	128.420	ug/l #	44
48) Methyl methacrylate	6.68	41	67	248.592	ug/l #	19
49) 1,4-Dioxane	6.45	88	84	47904.675	ug/l #	13
51) 4-Methyl-2-Pentanone	8.20	43	159	538.862	ug/l #	39
55) 1,1,2-Trichloroethane	8.46	97	83	249.322	ug/l #	14
56) Ethyl methacrylate	8.64	69	78	201.390	ug/l #	21
58) 2-Chloroethyl Vinyl ether	7.16	63	69	1539.433	ug/l #	47
59) 2-Hexanone	9.46	43	68	330.489	ug/l #	26

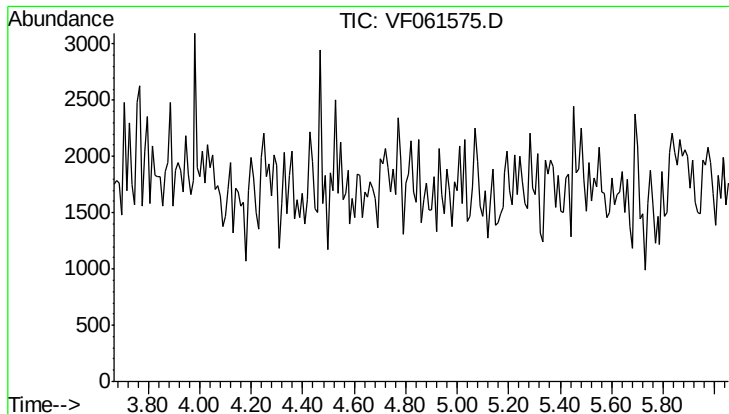
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF020819\
Data File : VF061575.D
Acq On : 8 Feb 2019 23:33
Operator : VA/AP
Sample : K1349-03RE
Misc : 7.61g/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
OR-03-020719-BRE

Quant Time: Feb 09 04:34:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VF061575.D

Acq: 8 Feb 2019 23:33

Tot Ion: 168

Sig Exp Ratio

168 100

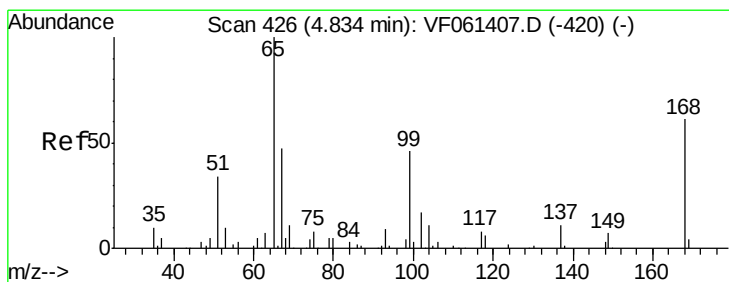
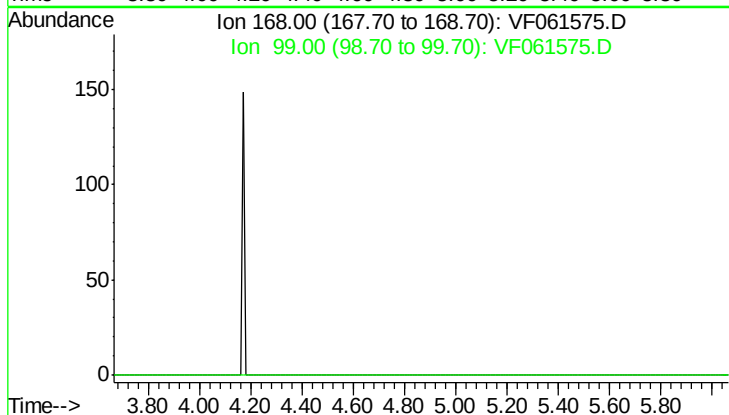
99 66.9

Instrument :

MSVOA_F

ClientSampleId :

OR-03-020719-BRE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.71 min Scan# 414

Delta R.T. -0.12 min

Lab File: VF061575.D

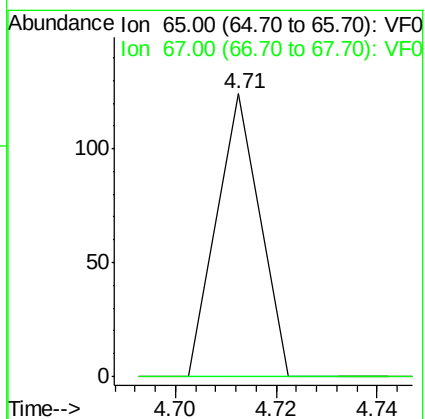
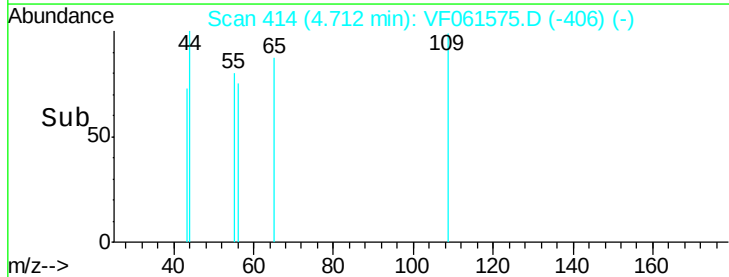
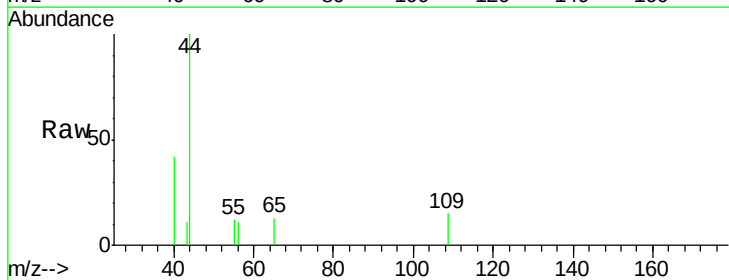
Acq: 8 Feb 2019 23:33

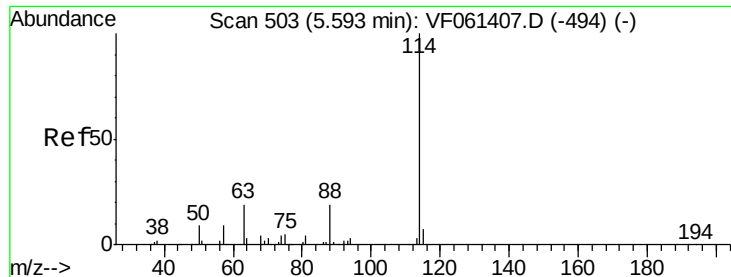
Tgt Ion: 65 Resp: 73

Ion Ratio Lower Upper

65 100

67 0.0 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.02 min

Lab File: VF061575.D

Acq: 8 Feb 2019 23:33

Instrument :

MSVOA_F

ClientSampleId :

OR-03-020719-BRE

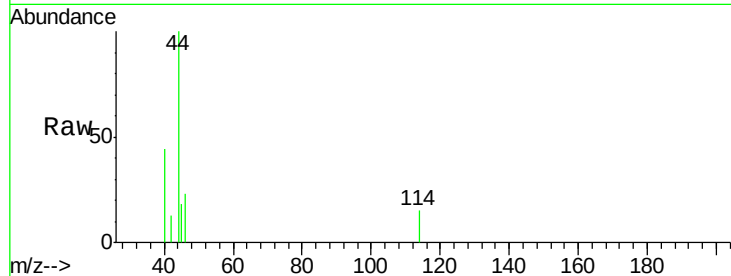
Tot Ion:114 Resp: 69

Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.0

88 0.0 0.0 37.4



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

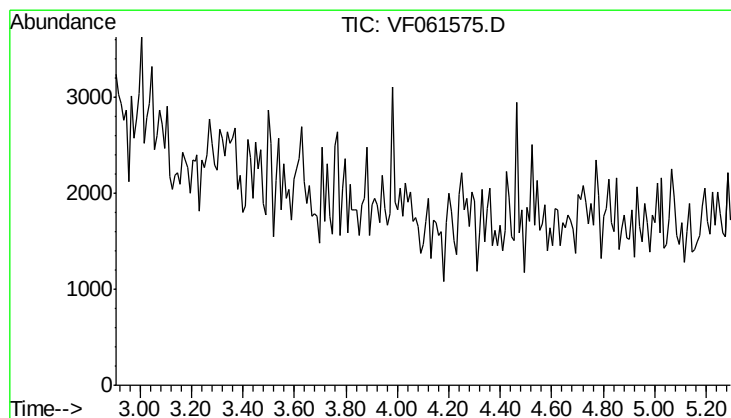
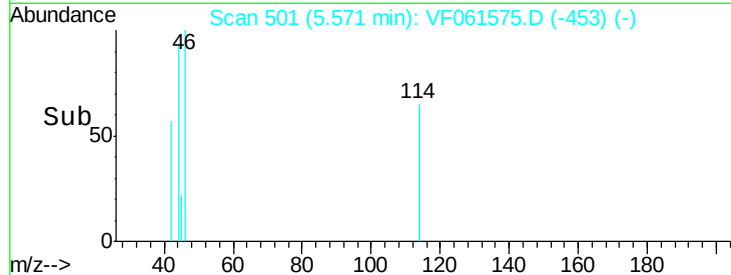
5.57

100

50

0

Time--> 5.54 5.56 5.58 5.60



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.10 min

Lab File: VF061575.D

Acq: 8 Feb 2019 23:33

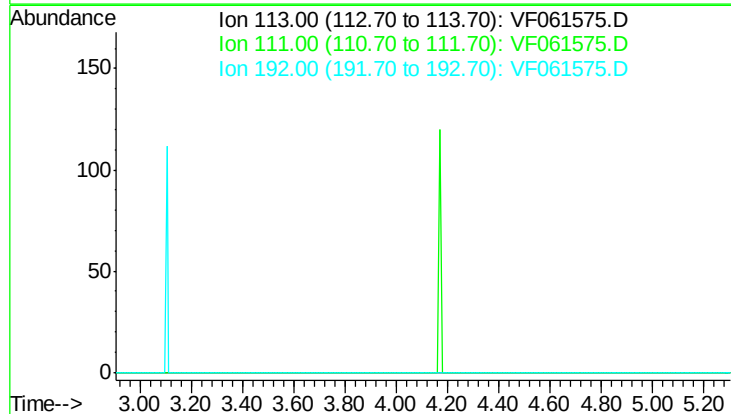
Tgt Ion: 113

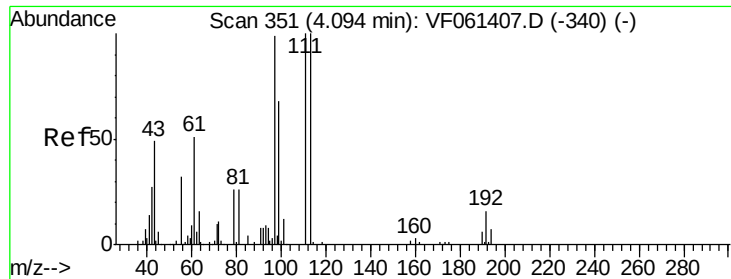
Sig Exp Ratio

113 100

111 99.2

192 15.5

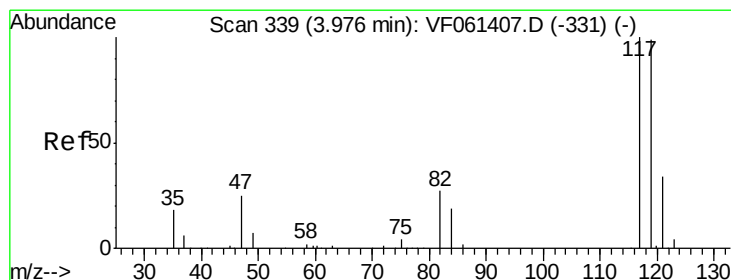
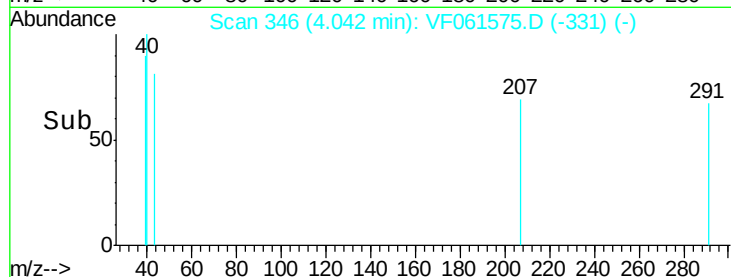
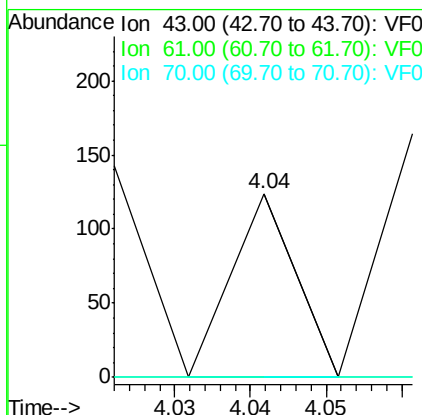
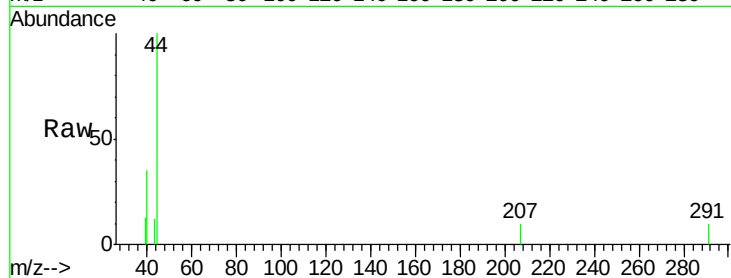




#37
Ethyl Acetate
Concen: 228.272 ug/l
RT: 4.04 min Scan# 346
Delta R.T. -0.05 min
Lab File: VF061575.D
Acq: 8 Feb 2019 23:33

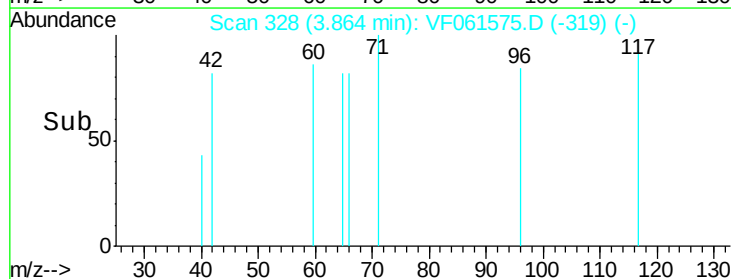
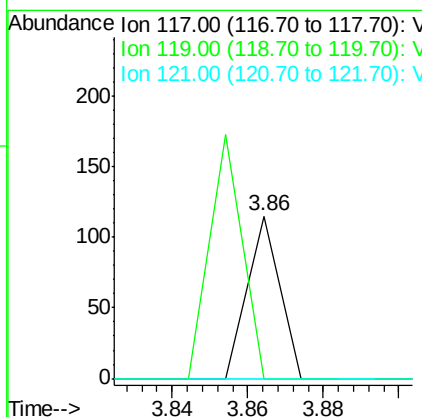
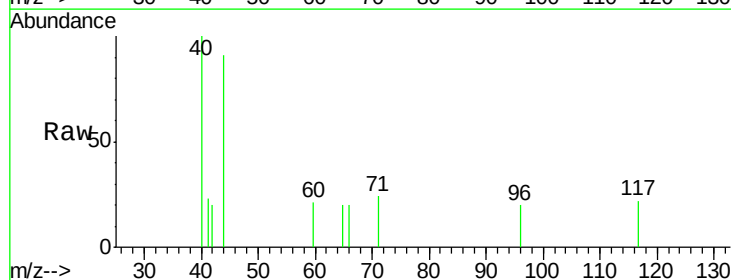
Instrument :
MSVOA_F
ClientSampleId :
OR-03-020719-BRE

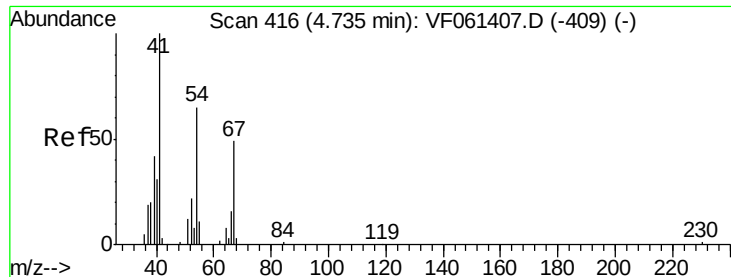
Tot Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
61 0.0 81.7 122.5#
70 0.0 6.2 9.2#



#38
Carbon Tetrachloride
Concen: 97.225 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.11 min
Lab File: VF061575.D
Acq: 8 Feb 2019 23:33

Tgt Ion: 117 Resp: 68
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 27.0 40.6#

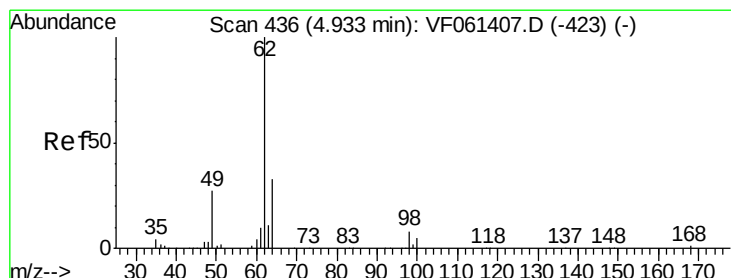
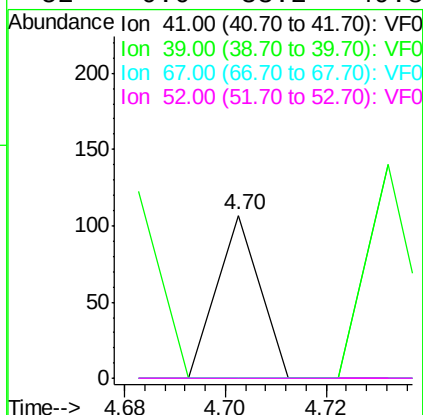
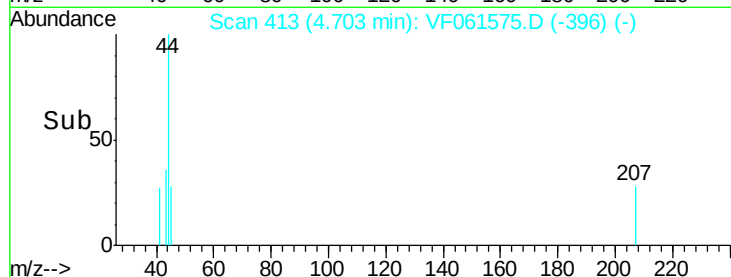
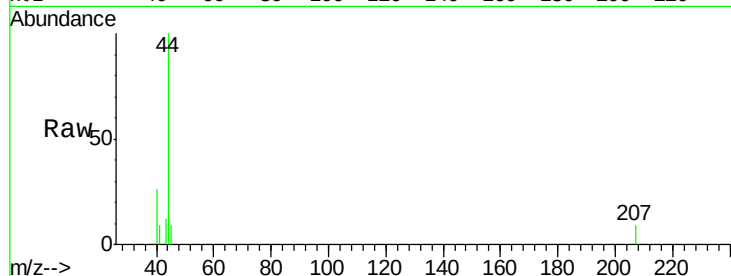




#41
Methacrylonitrile
Concen: 370.231 ug/l
RT: 4.70 min Scan# 413
Delta R.T. -0.03 min
Lab File: VF061575.D
Acq: 8 Feb 2019 23:33

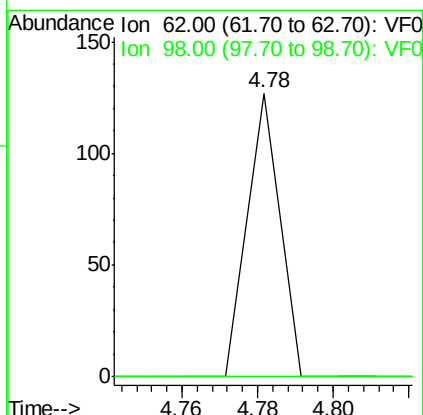
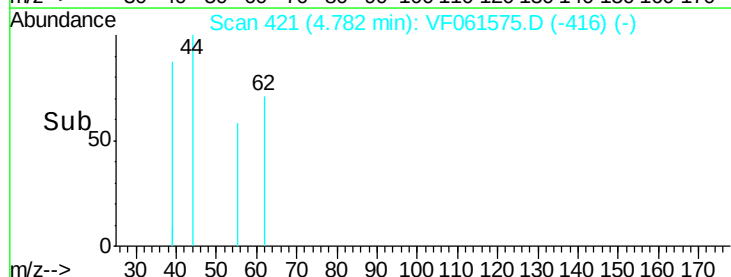
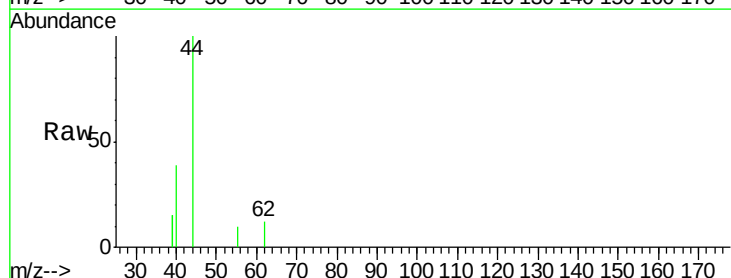
Instrument :
MSVOA_F
ClientSampleId :
OR-03-020719-BRE

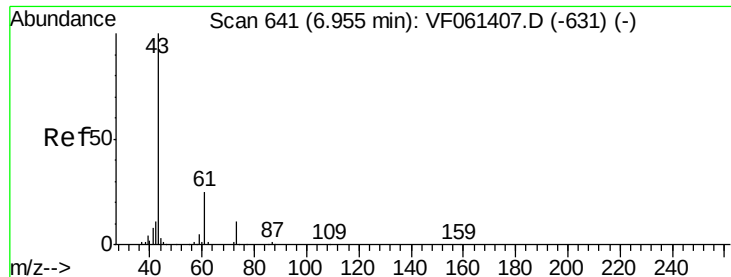
Tot Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
39	0.0	43.1	64.7#
67	0.0	38.8	58.2#
52	0.0	33.2	49.8#



#42
1,2-Dichloroethane
Concen: 118.230 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.15 min
Lab File: VF061575.D
Acq: 8 Feb 2019 23:33

Tgt Ion:	62	Resp:	75
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 196.829 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.02 min

Lab File: VF061575.D

Acq: 8 Feb 2019 23:33

Instrument :

MSVOA_F

ClientSampleId :

OR-03-020719-BRE

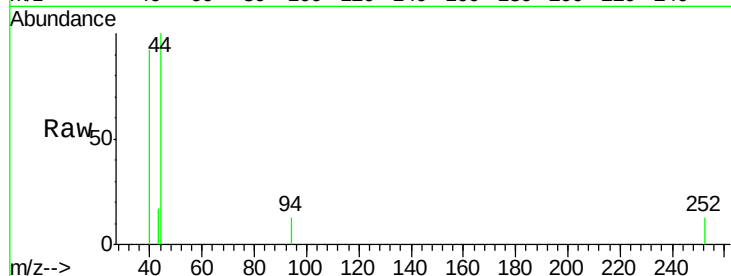
Tot Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

61 0.0 20.3 30.5#

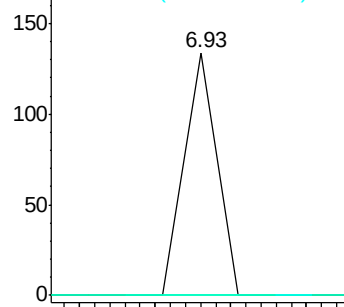
87 0.0 0.5 0.7#



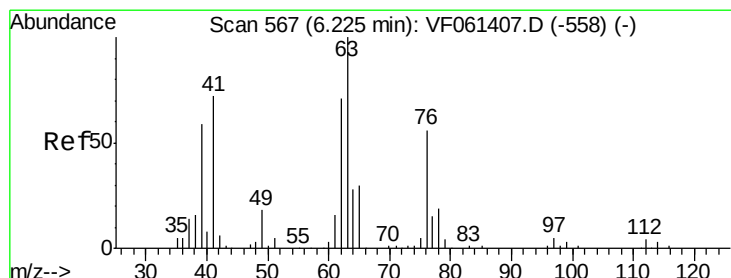
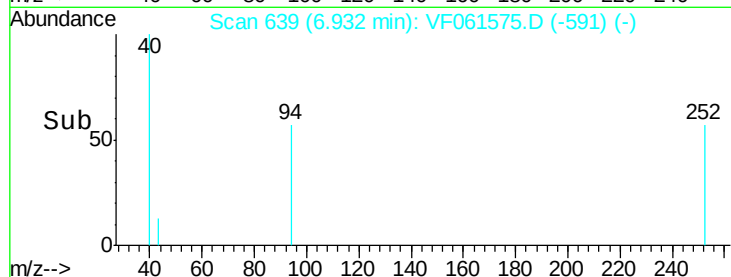
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->



#45

1,2-Dichloropropane

Concen: 128.420 ug/l

RT: 6.11 min Scan# 556

Delta R.T. -0.11 min

Lab File: VF061575.D

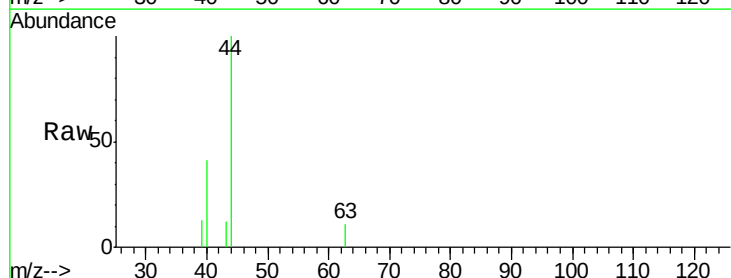
Acq: 8 Feb 2019 23:33

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

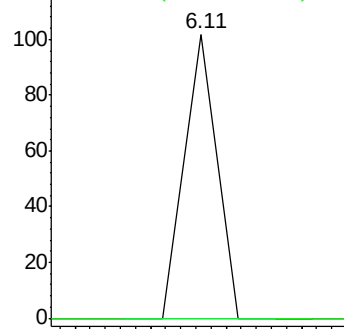
63 100

65 0.0 24.4 36.6#

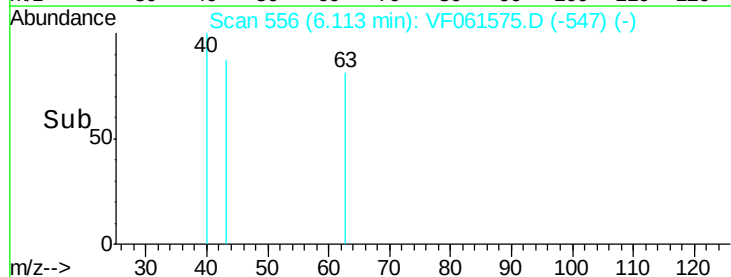


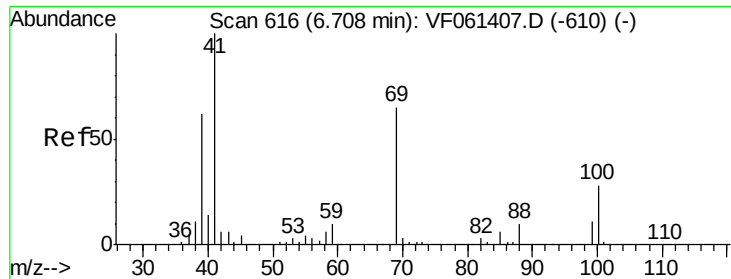
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



Time-->

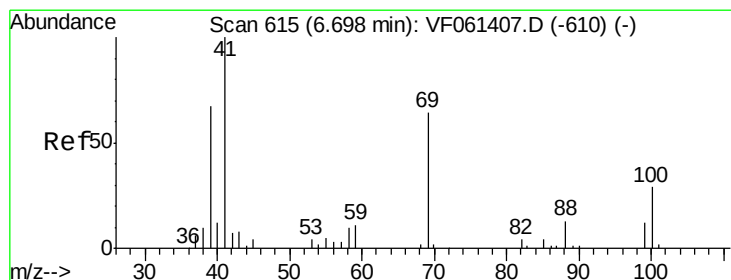
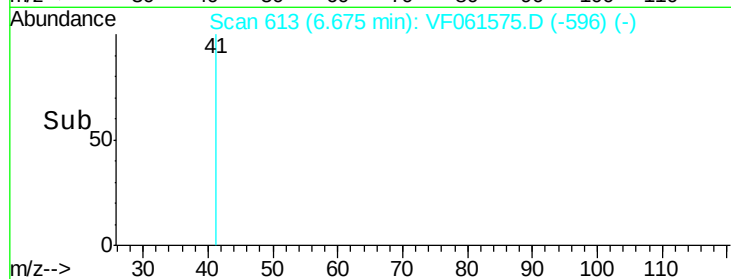
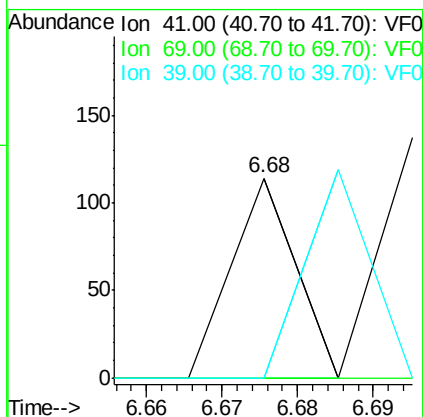
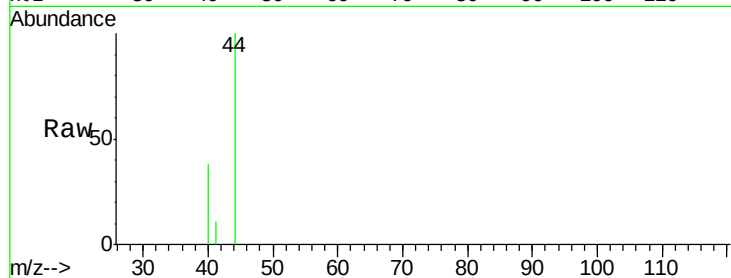




#48
Methyl methacrylate
Concen: 248.592 ug/l
RT: 6.68 min Scan# 613
Delta R.T. -0.03 min
Lab File: VF061575.D
Acq: 8 Feb 2019 23:33

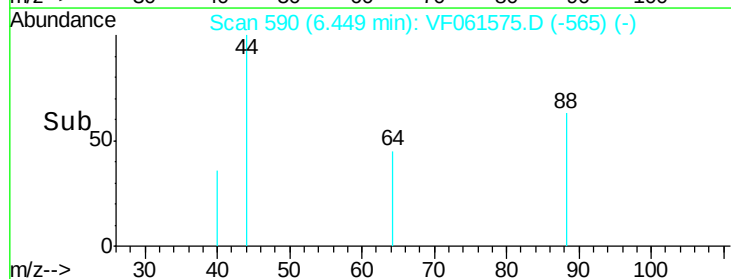
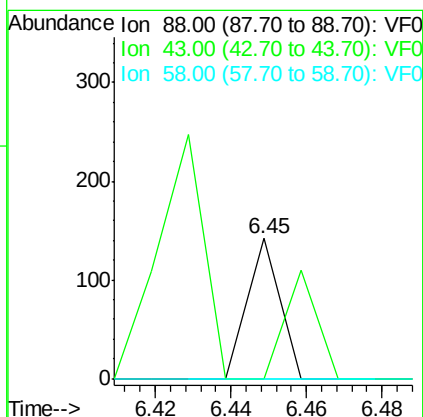
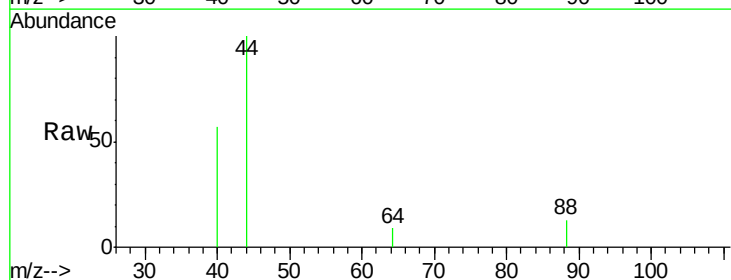
Instrument :
MSVOA_F
ClientSampleId :
OR-03-020719-BRE

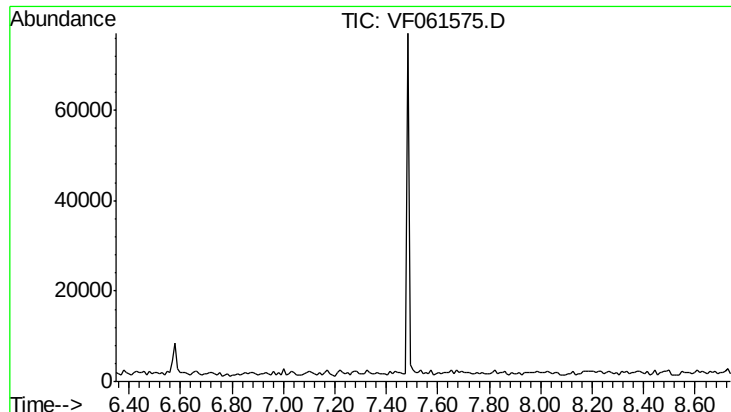
Tot Ion: 41 Resp: 67
Ion Ratio Lower Upper
41 100
69 0.0 51.7 77.5#
39 0.0 49.2 73.8#



#49
1,4-Dioxane
Concen: 47904.675 ug/l
RT: 6.45 min Scan# 590
Delta R.T. -0.25 min
Lab File: VF061575.D
Acq: 8 Feb 2019 23:33

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 0.0 55.5 83.3#
58 0.0 59.9 89.9#

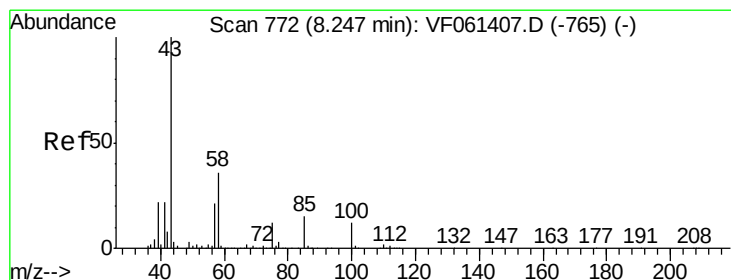
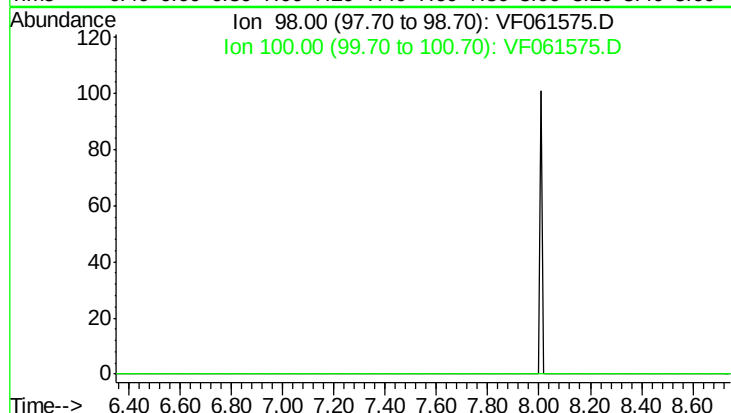




#50
 Toluene-d8
 Concen: 0.000 ug/l
 Expected RT: 7.55 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

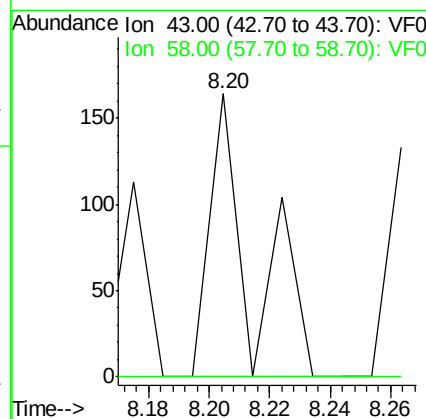
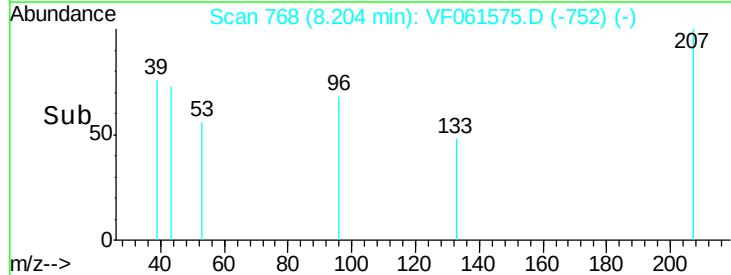
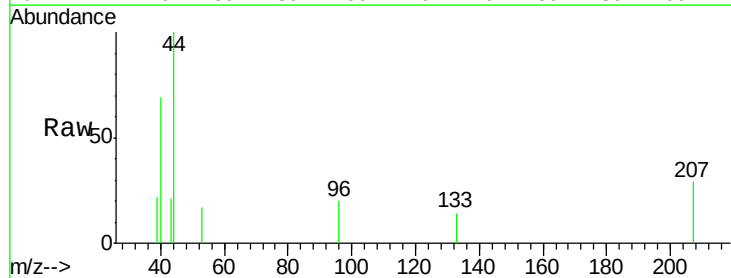
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-020719-BRE

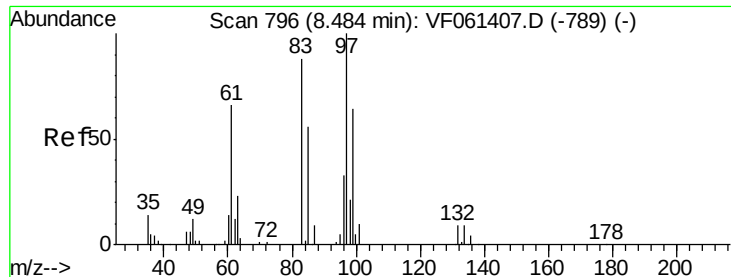
Tot Ion: 98
 Sig Exp Ratio
 98 100
 100 69.5



#51
 4-Methyl-2-Pentanone
 Concen: 538.862 ug/l
 RT: 8.20 min Scan# 768
 Delta R.T. -0.04 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

Tgt Ion: 43 Resp: 159
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 43.2#





#55

1,1,2-Trichloroethane

Concen: 249.322 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.02 min

Lab File: VF061575.D

Acq: 8 Feb 2019 23:33

Instrument :

MSVOA_F

ClientSampleId :

OR-03-020719-BRE

Tot Ion: 97 Resp: 83

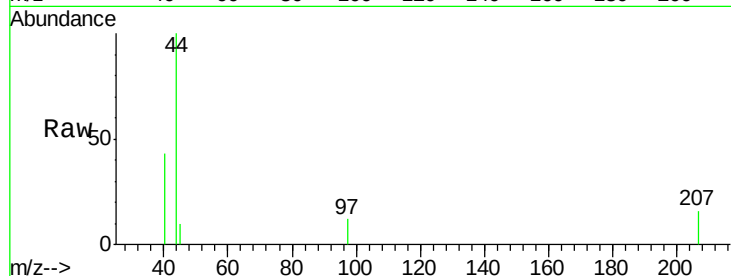
Ion Ratio Lower Upper

97 100

83 0.0 70.4 105.6#

85 0.0 44.7 67.1#

99 0.0 50.8 76.2#

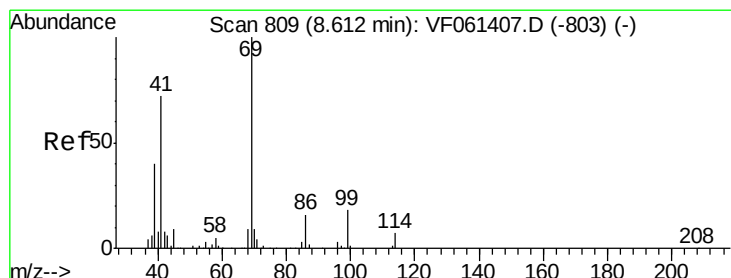
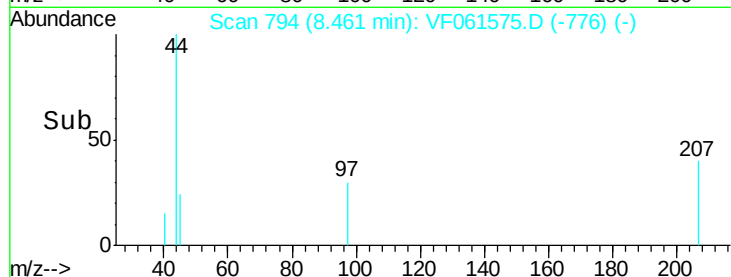
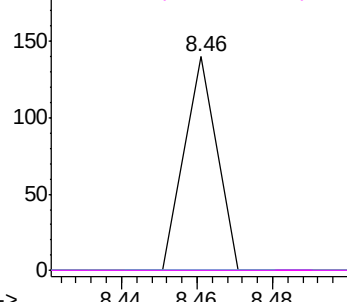


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 201.390 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.03 min

Lab File: VF061575.D

Acq: 8 Feb 2019 23:33

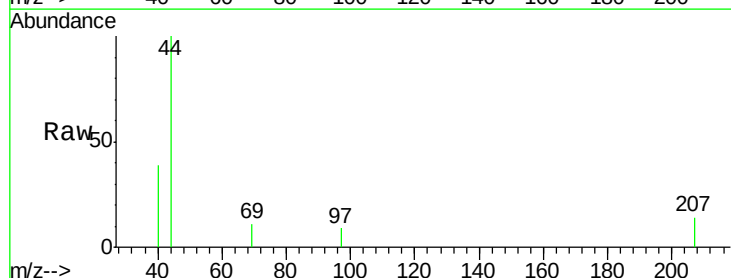
Tgt Ion: 69 Resp: 78

Ion Ratio Lower Upper

69 100

41 0.0 57.5 86.3#

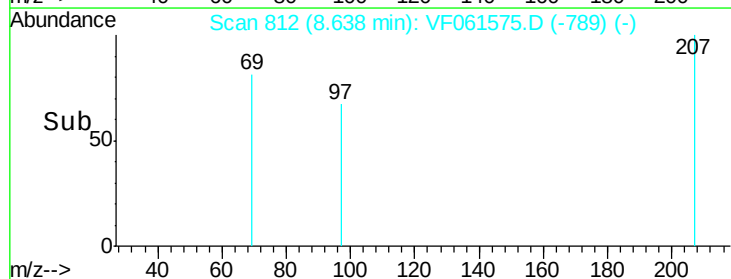
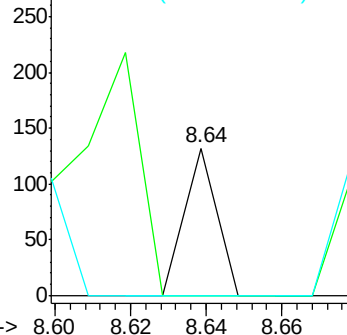
39 0.0 32.0 48.0#

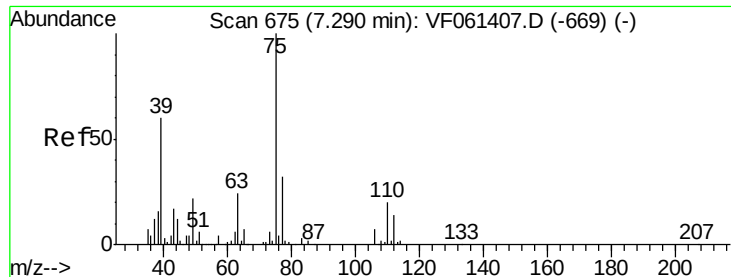


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

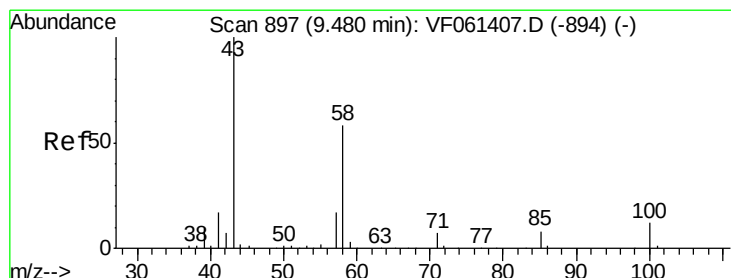
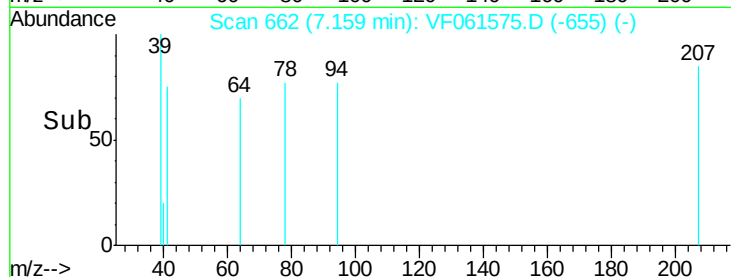
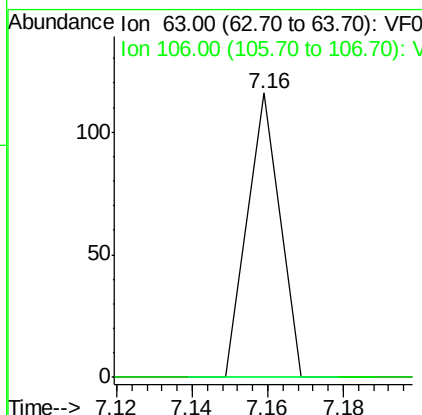
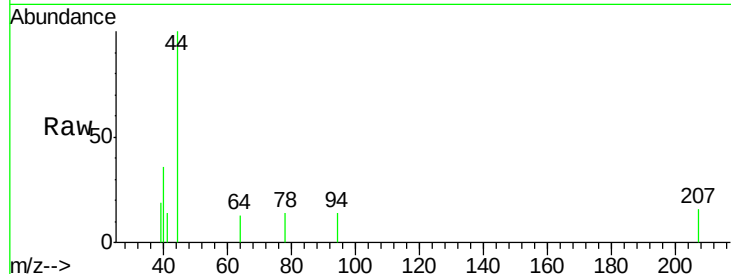




#58
 2-Chloroethyl Vinyl ether
 Concen: 1539.433 ug/l
 RT: 7.16 min Scan# 662
 Delta R.T. -0.13 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

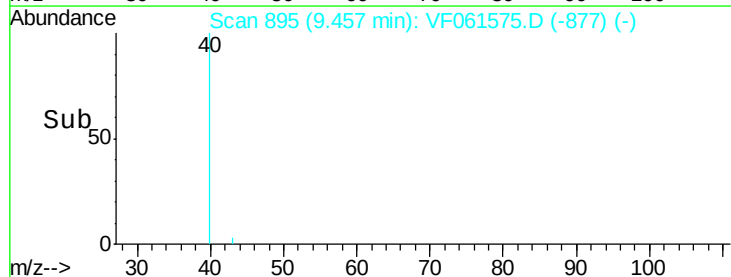
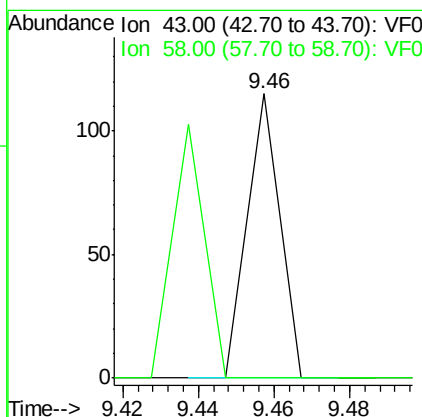
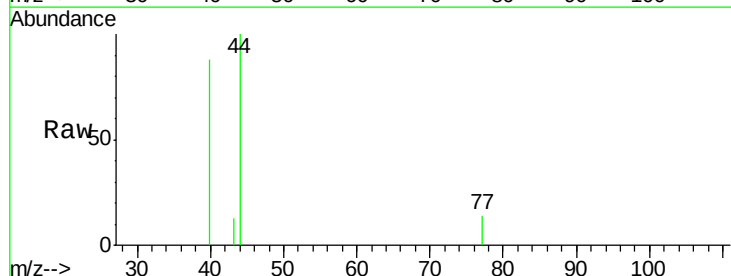
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-020719-BRE

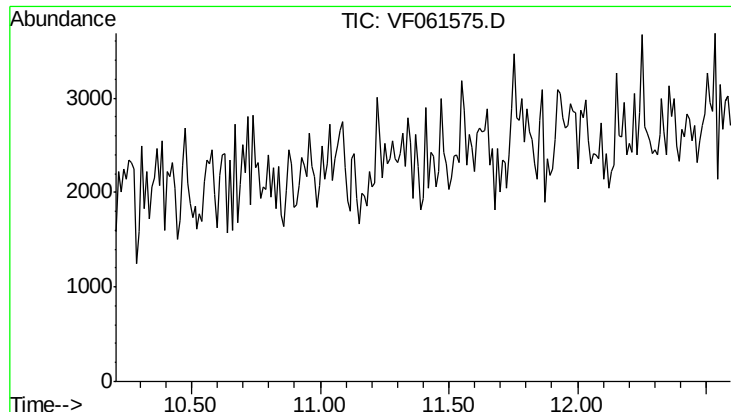
Tot Ion: 63 Resp: 69
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.9 32.9#



#59
 2-Hexanone
 Concen: 330.489 ug/l
 RT: 9.46 min Scan# 895
 Delta R.T. -0.02 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.6#

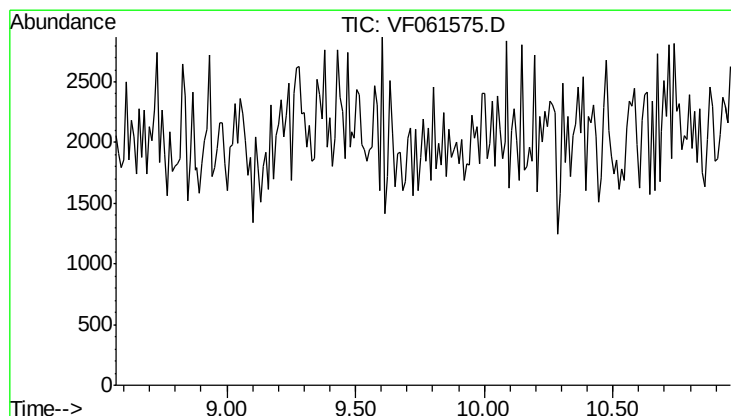
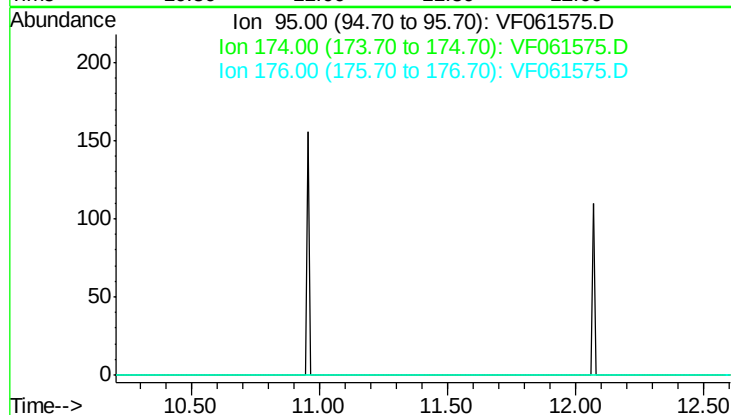




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.40 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

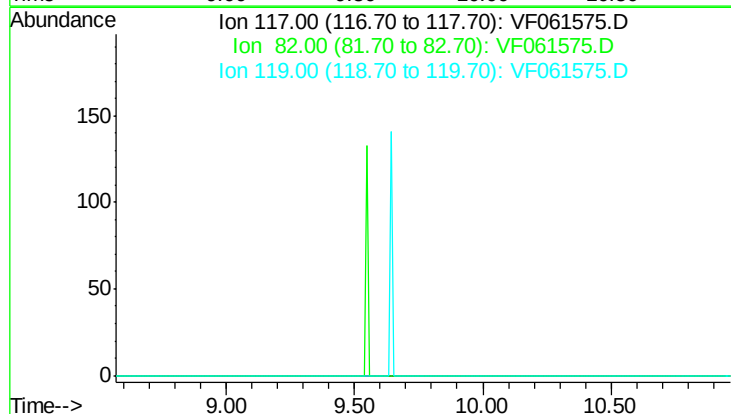
Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-020719-BRE

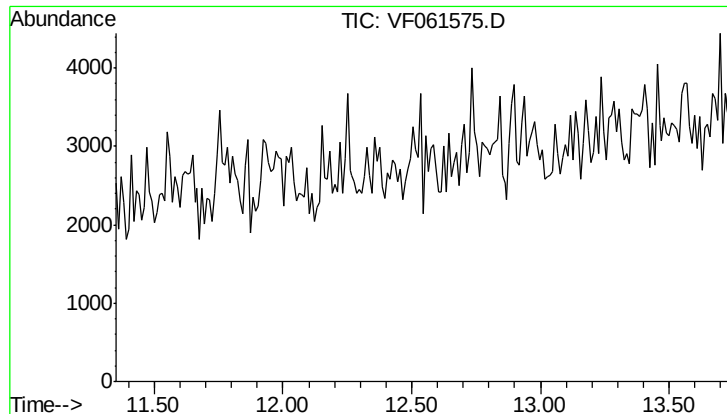
Tot Ion	95
Sig	Exp Ratio
95	100
174	65.2
176	63.1



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.77 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

Tgt Ion	117
Sig	Exp Ratio
117	100
82	58.0
119	34.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.55 min
 Lab File: VF061575.D
 Acq: 8 Feb 2019 23:33

Instrument :
 MSVOA_F
 ClientSampleId :
 OR-03-020719-BRE

Tot Ion	152
Sig	Exp Ratio
152	100
115	60.0
150	160.7

