

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF062004.D
 Acq On : 18 Mar 2019 18:27
 Operator : VA/AP
 Sample : K1958-01
 Misc : 6.90g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 19 01:24:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	47995	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.59	114	46104	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	24286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	8606	50.00	ug/l	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		4.84	65	4190	12.13	ug/l	0.00
Spiked Amount	50.000			Recovery	=	24.26%	
35) Dibromofluoromethane		4.10	113	10572	34.15	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	68.30%	
50) Toluene-d8		7.54	98	29725	32.84	ug/l	-0.01
Spiked Amount	50.000			Recovery	=	65.68%	
62) 4-Bromofluorobenzene		11.41	95	8267	22.99	ug/l	0.00
Spiked Amount	50.000			Recovery	=	45.98%	

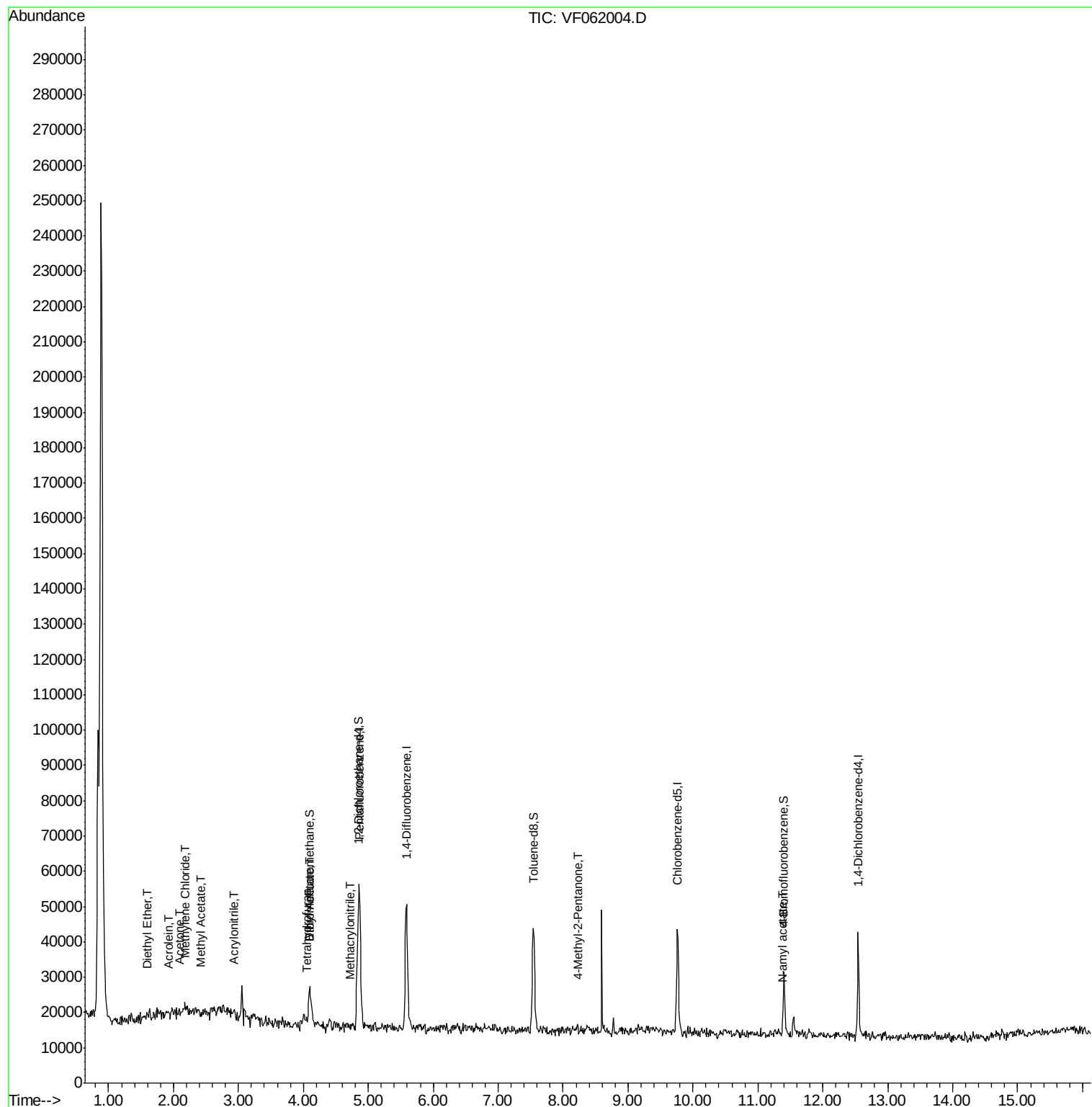
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.60	74	171	1.155	ug/l	61
13) Acrolein	1.94	56	400	17.527	ug/l	94
15) Acrylonitrile	2.93	53	246	3.827	ug/l #	18
16) Acetone	2.09	43	1110	14.308	ug/l	99
18) Methyl Acetate	2.42	43	893	5.626	ug/l #	63
20) Methylene Chloride	2.17	84	1264	3.165	ug/l #	70
29) Tetrahydrofuran	4.05	42	145	2.170	ug/l #	33
37) Ethyl Acetate	4.09	43	321	1.717	ug/l #	19
41) Methacrylonitrile	4.72	41	173	1.732	ug/l #	22
51) 4-Methyl-2-Pentanone	8.22	43	198	1.261	ug/l #	36
74) N-amyl acetate	11.37	43	196	1.439	ug/l #	43

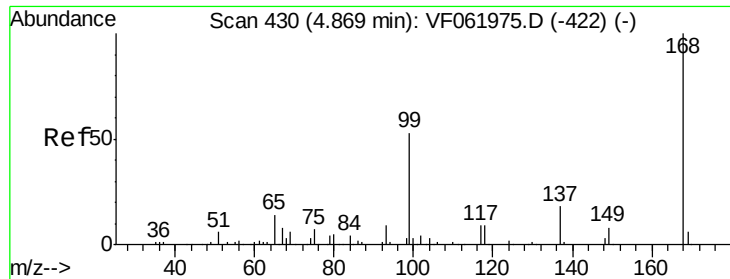
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031819\
Data File : VF062004.D
Acq On : 18 Mar 2019 18:27
Operator : VA/AP
Sample : K1958-01
Misc : 6.90µ/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 19 01:24:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 18 07:28:40 2019
Response via : Initial Calibration

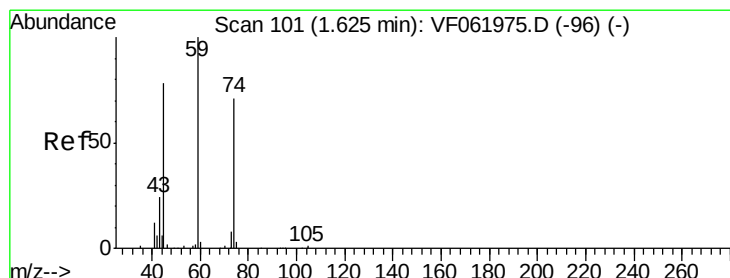
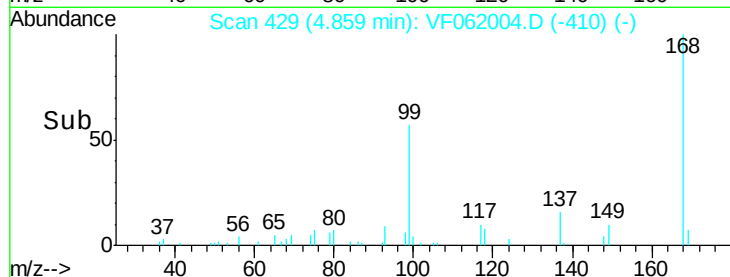
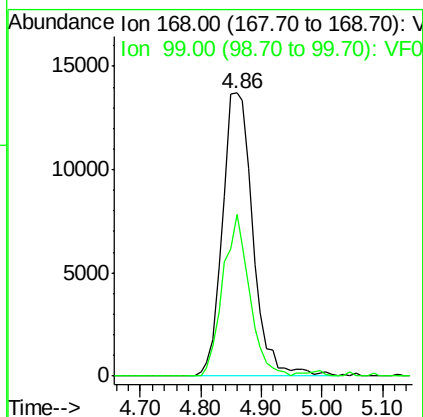
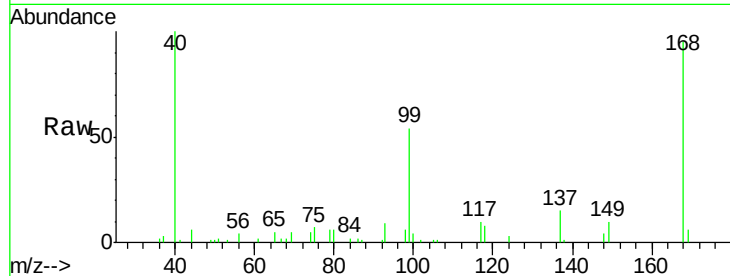




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.86 min Scan# 429
Delta R.T. -0.01 min
Lab File: VF062004.D
Acq: 18 Mar 2019 18:27

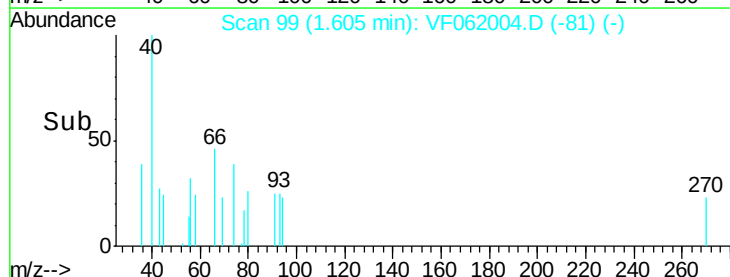
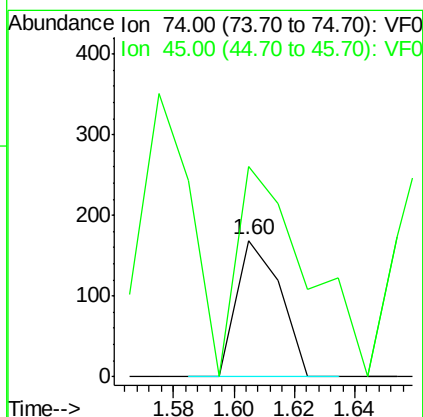
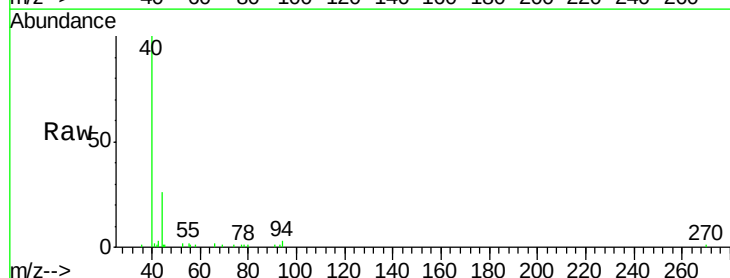
Instrument :
MSVOA_F
ClientSampled :

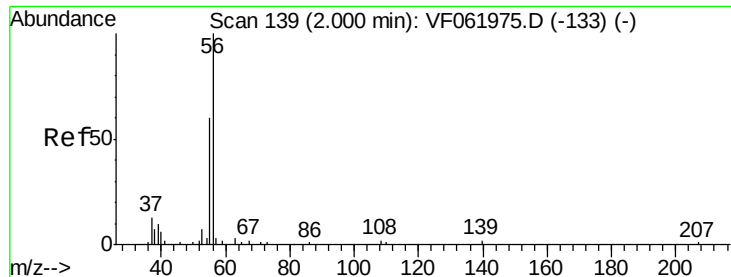
Tot Ion:168 Resp: 47995
Ion Ratio Lower Upper
168 100
99 57.1 42.4 63.6



#8
Diethyl Ether
Concen: 1.155 ug/l
RT: 1.60 min Scan# 99
Delta R.T. -0.02 min
Lab File: VF062004.D
Acq: 18 Mar 2019 18:27

Tgt Ion: 74 Resp: 171
Ion Ratio Lower Upper
74 100
45 153.8 56.3 168.8





#13

Acrolein

Concen: 17.527 ug/l

RT: 1.94 min Scan# 133

Delta R.T. -0.06 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

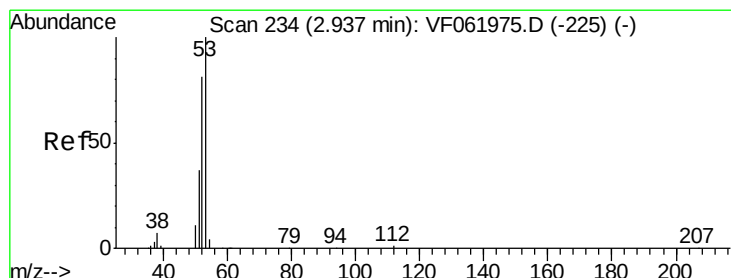
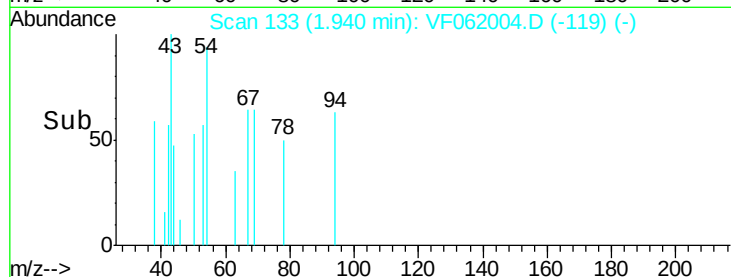
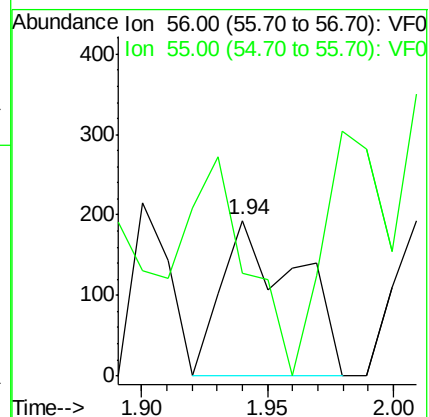
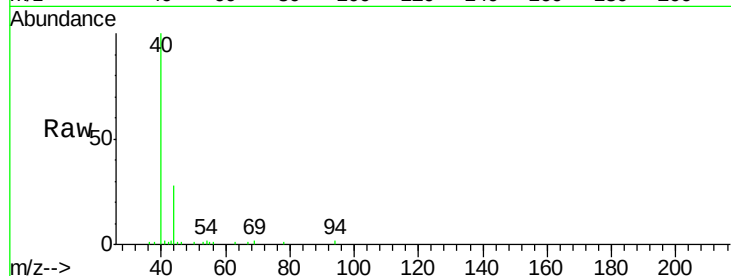
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 400

Ion Ratio Lower Upper

56 100

55 66.3 49.1 73.7



#15

Acrylonitrile

Concen: 3.827 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

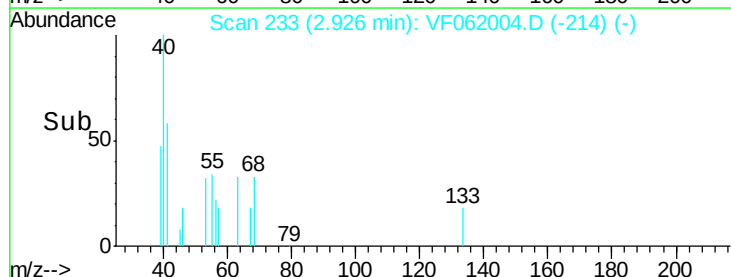
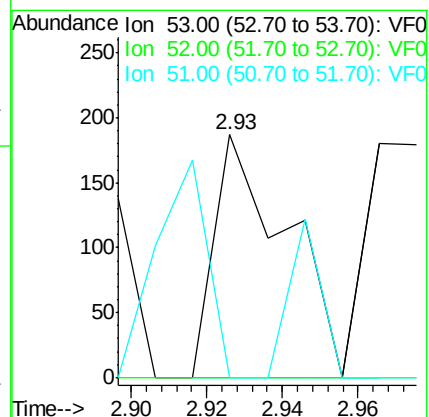
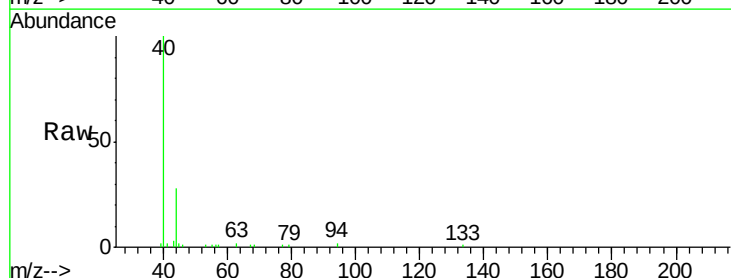
Tgt Ion: 53 Resp: 246

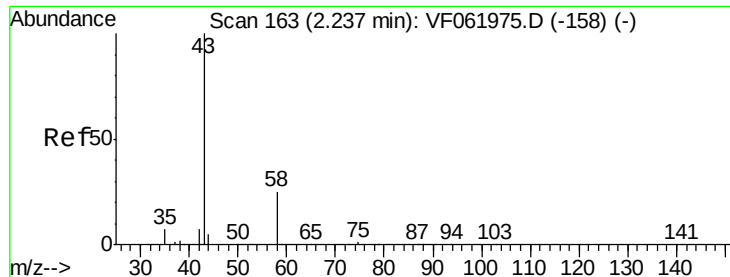
Ion Ratio Lower Upper

53 100

52 0.0 64.4 96.6#

51 0.0 30.3 45.5#





#16

Acetone

Concen: 14.308 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.15 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

Instrument :

MSVOA_F

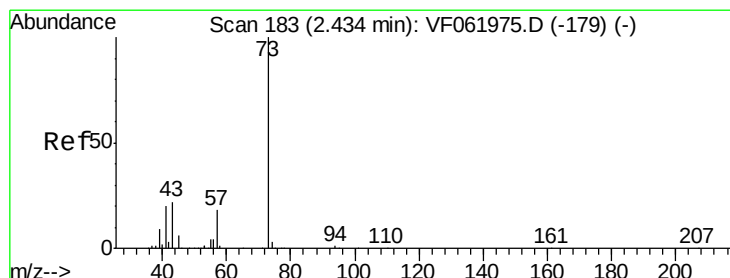
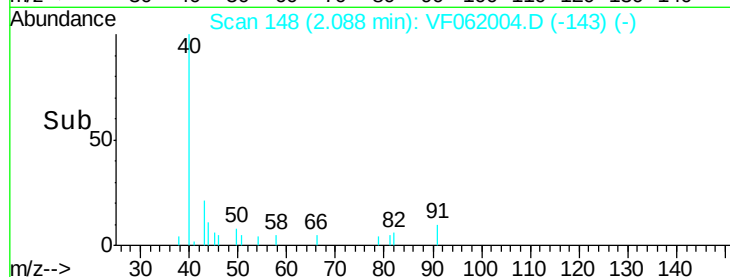
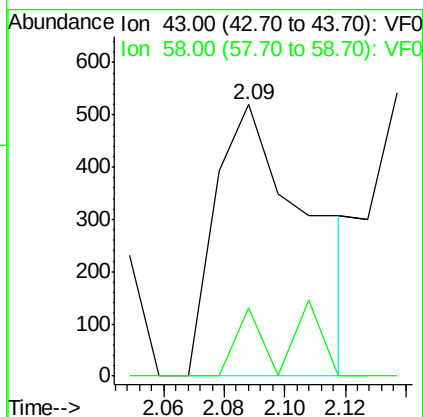
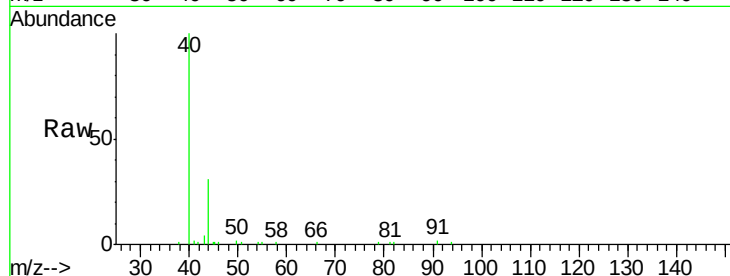
ClientSampled :

Tot Ion: 43 Resp: 1110

Ion Ratio Lower Upper

43 100

58 25.2 19.9 29.9



#18

Methyl Acetate

Concen: 5.626 ug/l

RT: 2.42 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF062004.D

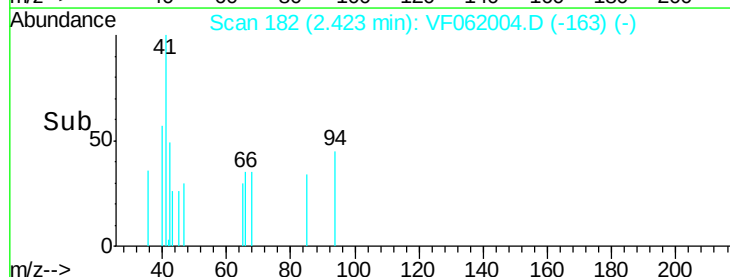
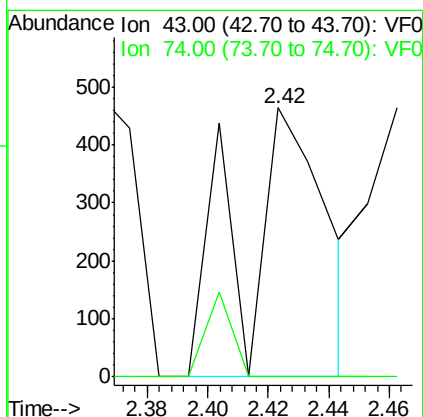
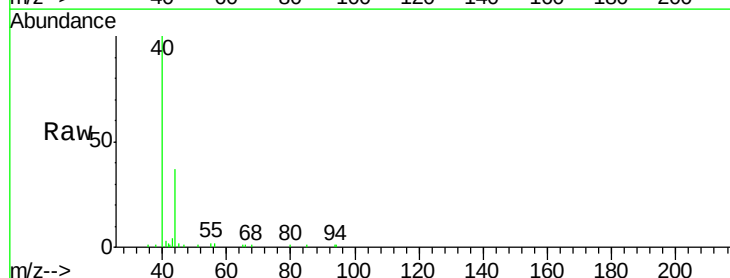
Acq: 18 Mar 2019 18:27

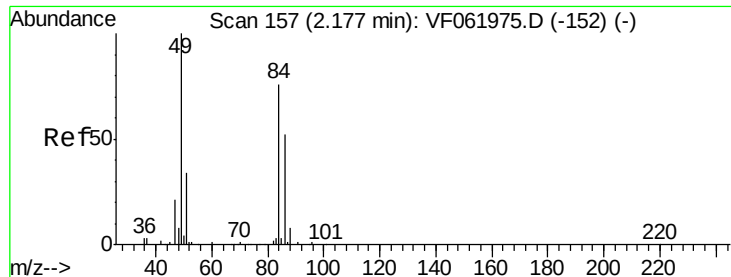
Tgt Ion: 43 Resp: 893

Ion Ratio Lower Upper

43 100

74 0.0 12.6 18.8#

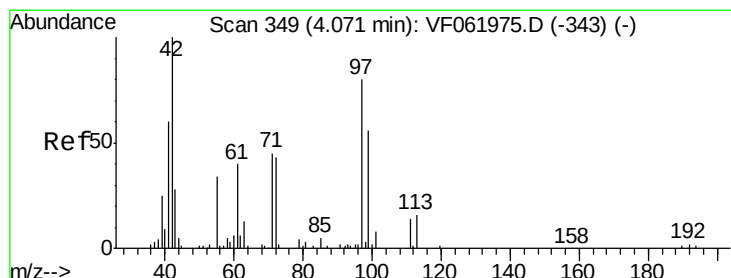
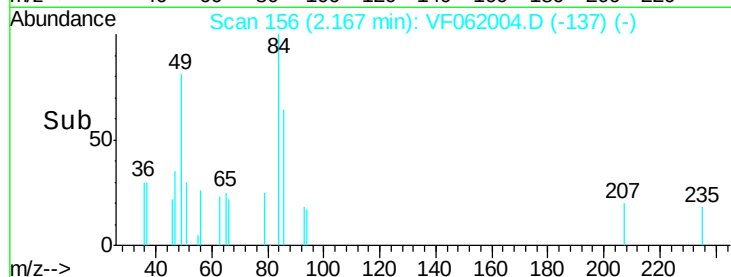
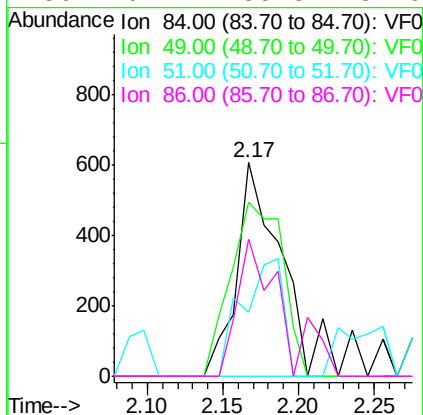
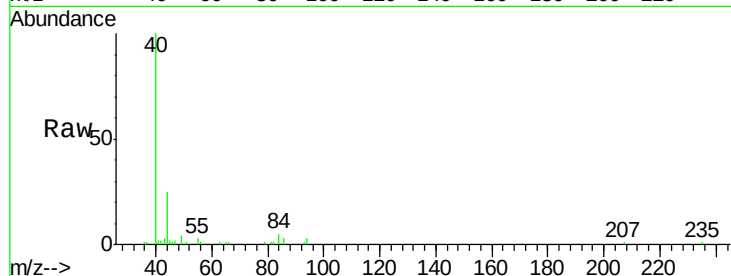




#20
Methylene Chloride
Concen: 3.165 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF062004.D
Acq: 18 Mar 2019 18:27

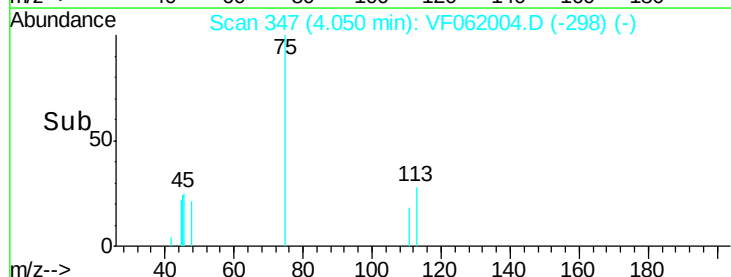
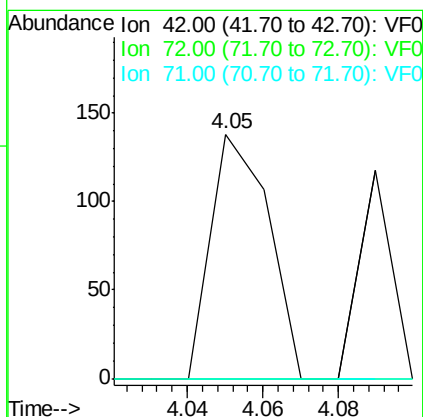
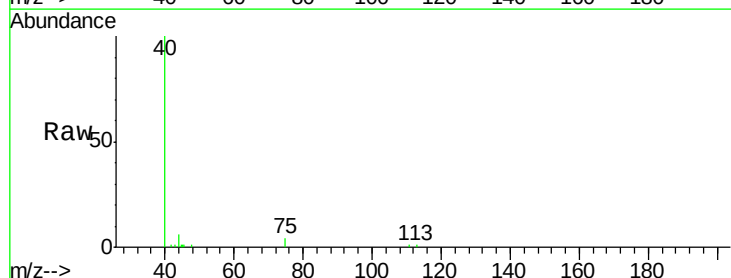
Instrument :
MSVOA_F
ClientSampled :

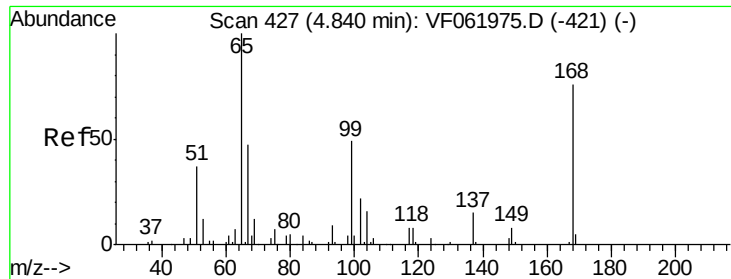
Tot Ion: 84 Resp: 1264
Ion Ratio Lower Upper
84 100
49 81.2 107.0 160.6#
51 30.1 37.2 55.8#
86 64.1 55.3 82.9



#29
Tetrahydrofuran
Concen: 2.170 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.02 min
Lab File: VF062004.D
Acq: 18 Mar 2019 18:27

Tgt Ion: 42 Resp: 145
Ion Ratio Lower Upper
42 100
72 0.0 34.0 51.0#
71 0.0 34.2 51.4#

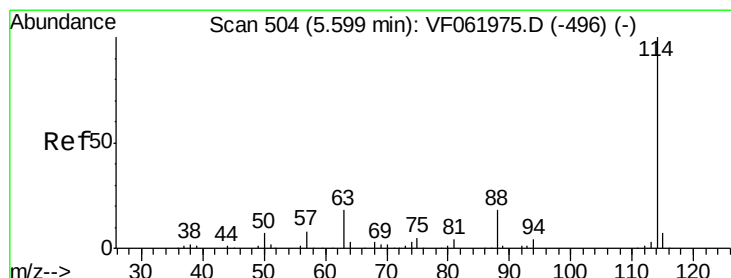
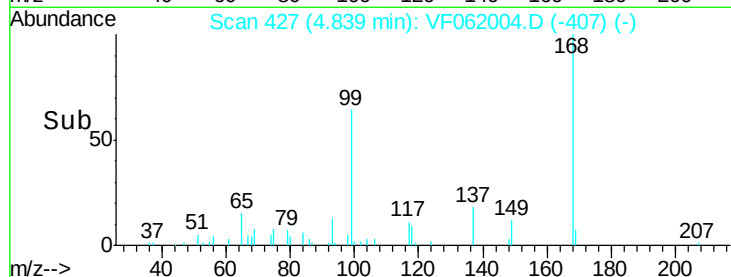
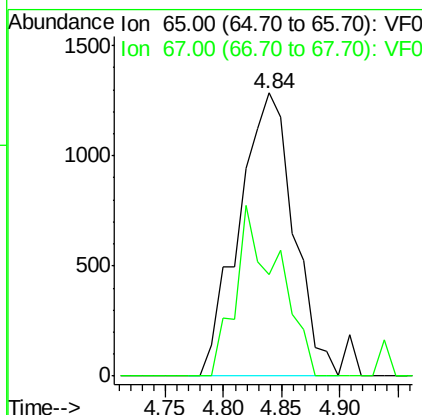
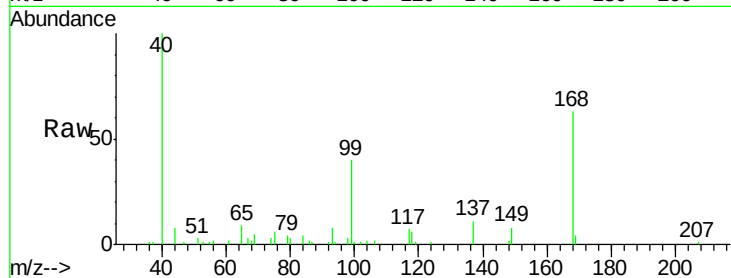




#33
 1,2-Dichloroethane-d4
 Concen: 12.128 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: VF062004.D
 Acq: 18 Mar 2019 18:27

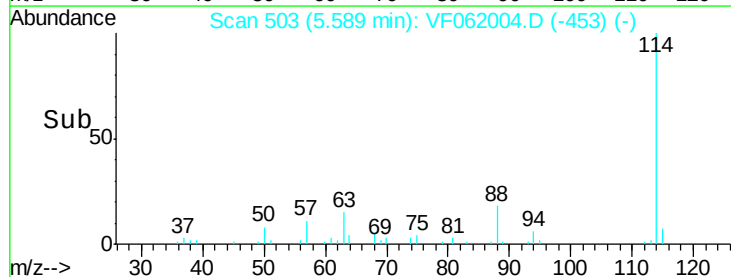
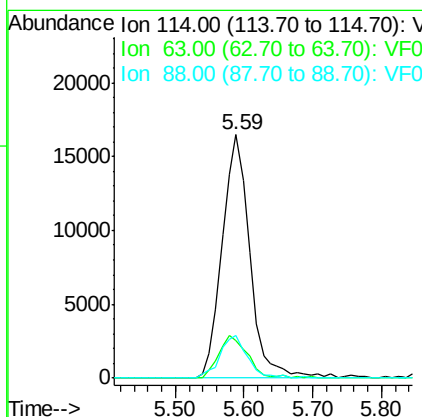
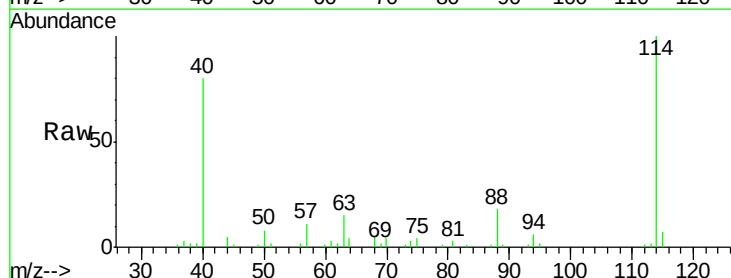
Instrument :
 MSVOA_F
 ClientSampled :

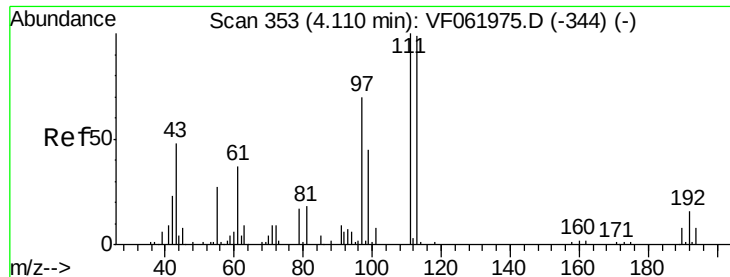
Tot Ion: 65 Resp: 4190
 Ion Ratio Lower Upper
 65 100
 67 36.0 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: VF062004.D
 Acq: 18 Mar 2019 18:27

Tgt Ion: 114 Resp: 46104
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 36.4
 88 17.7 0.0 36.4





#35

Dibromofluoromethane

Concen: 34.148 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :

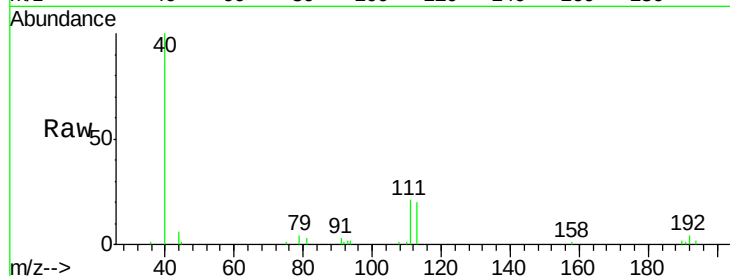
Tot Ion:113 Resp: 10572

Ion Ratio Lower Upper

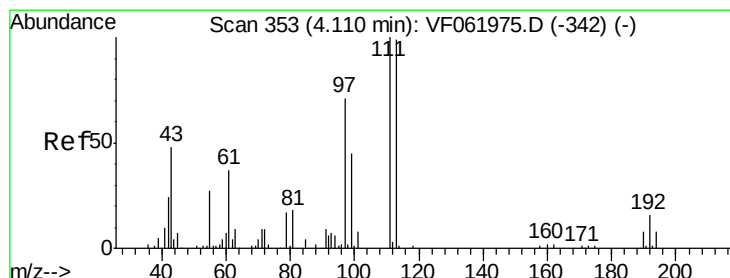
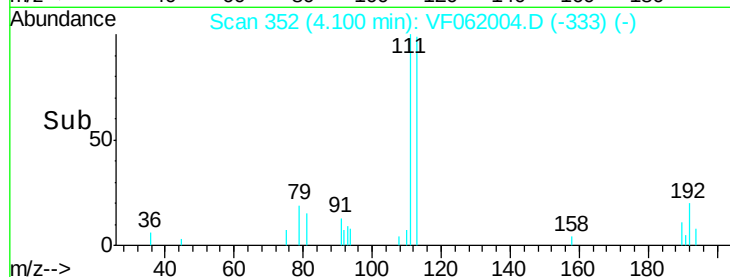
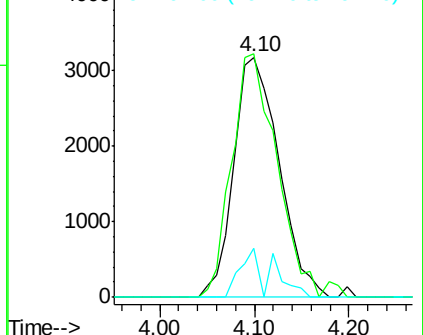
113 100

111 101.5 80.8 121.2

192 20.5 13.0 19.6#



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



#37

Ethyl Acetate

Concen: 1.717 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

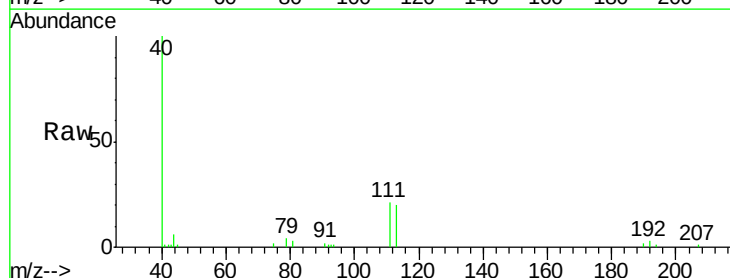
Tgt Ion: 43 Resp: 321

Ion Ratio Lower Upper

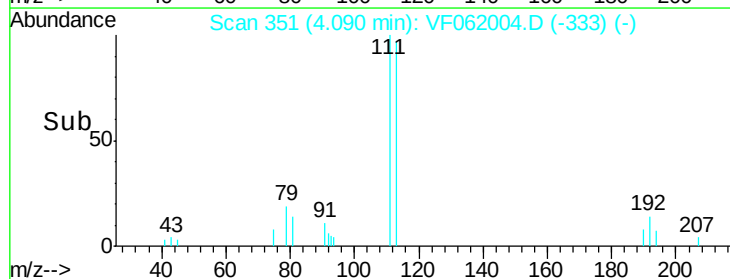
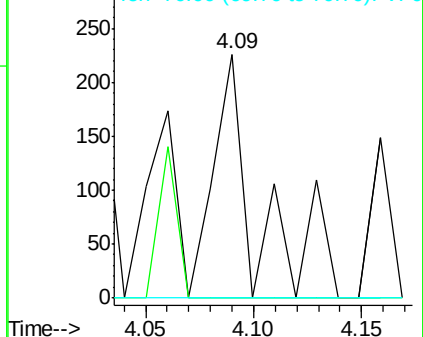
43 100

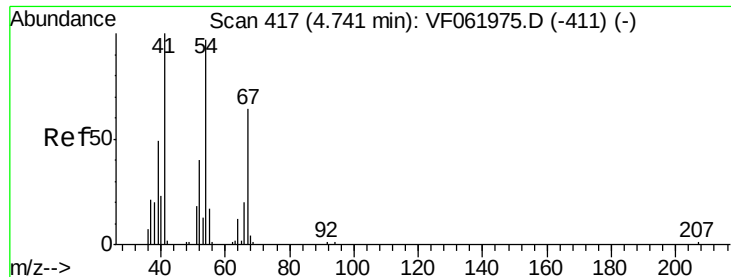
61 0.0 59.8 89.6#

70 0.0 7.8 11.8#



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: 1.732 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.02 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 173

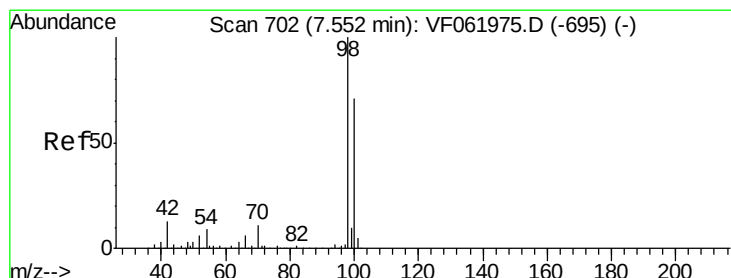
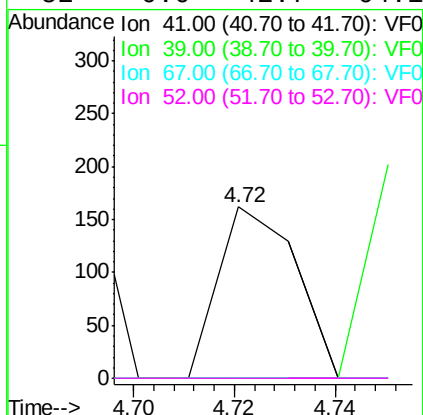
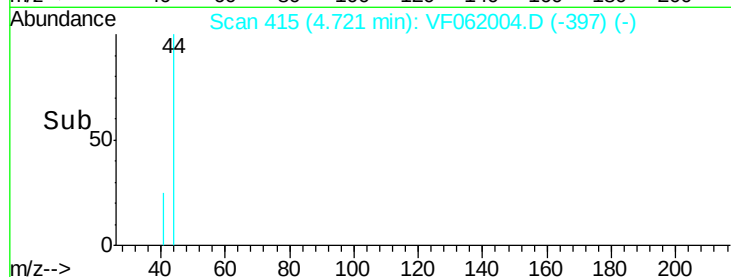
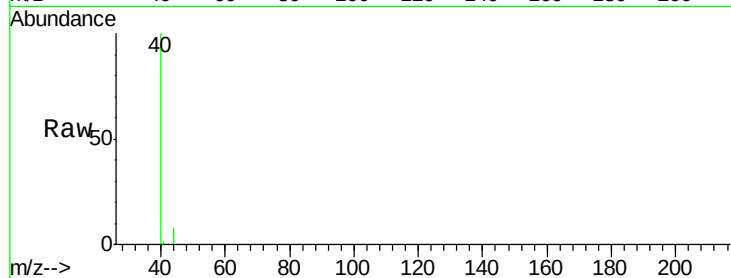
Ion Ratio Lower Upper

41 100

39 0.0 46.2 69.4#

67 0.0 49.8 74.8#

52 0.0 42.7 64.1#



#50

Toluene-d8

Concen: 32.844 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF062004.D

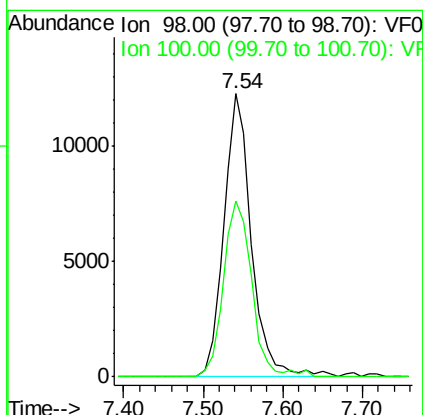
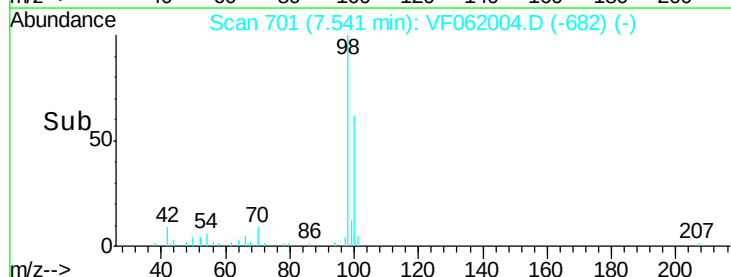
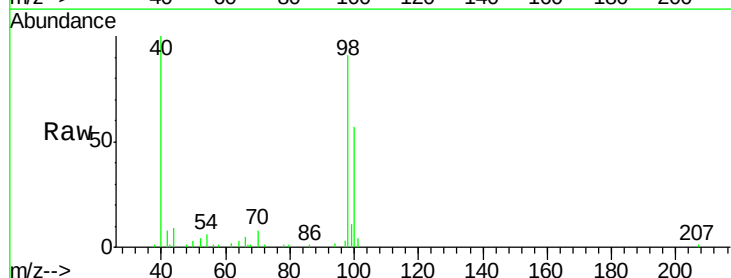
Acq: 18 Mar 2019 18:27

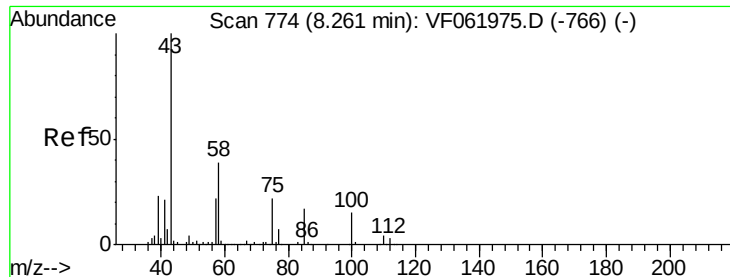
Tgt Ion: 98 Resp: 29725

Ion Ratio Lower Upper

98 100

100 62.3 56.8 85.2





#51

4-Methyl-2-Pentanone

Concen: 1.261 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

Instrument :

MSVOA_F

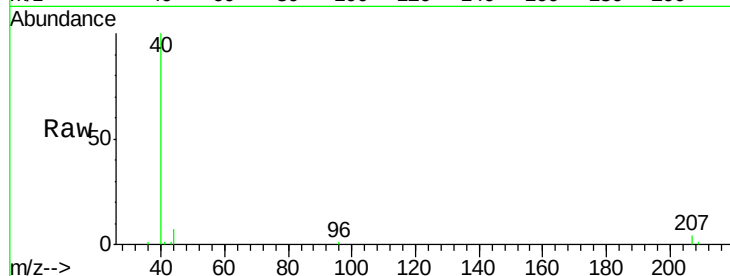
ClientSampleId :

Tot Ion: 43 Resp: 198

Ion Ratio Lower Upper

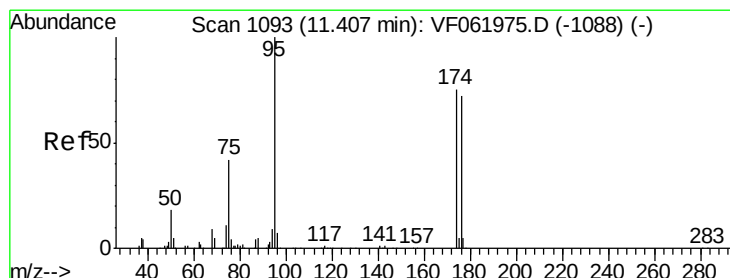
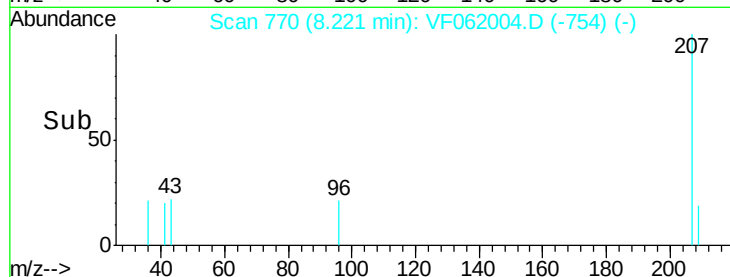
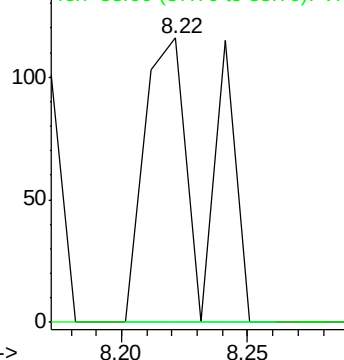
43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 22.993 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF062004.D

Acq: 18 Mar 2019 18:27

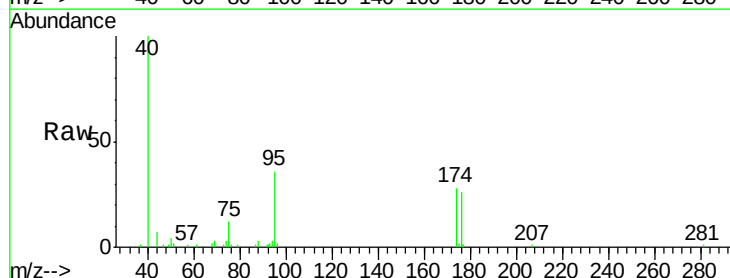
Tgt Ion: 95 Resp: 8267

Ion Ratio Lower Upper

95 100

174 75.8 0.0 149.4

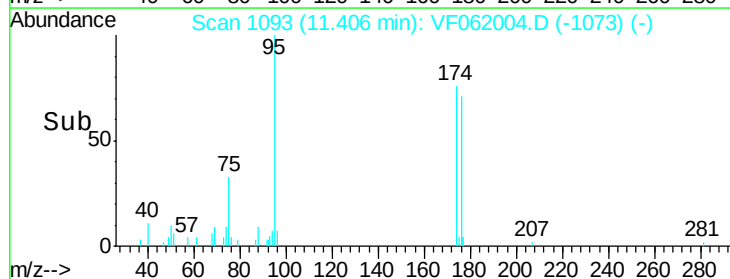
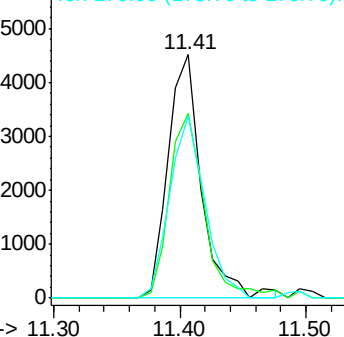
176 74.7 0.0 143.4

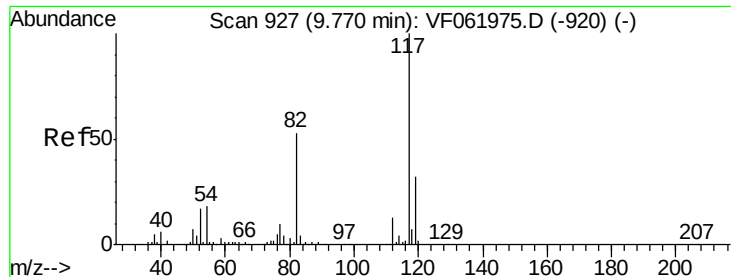


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

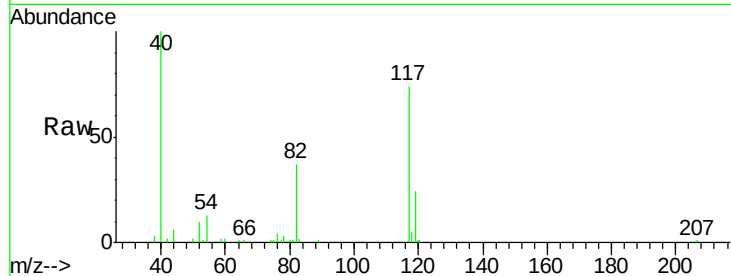




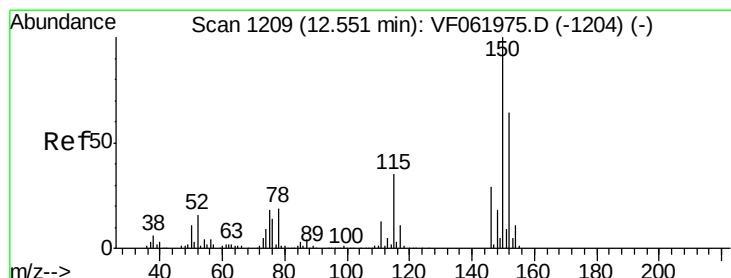
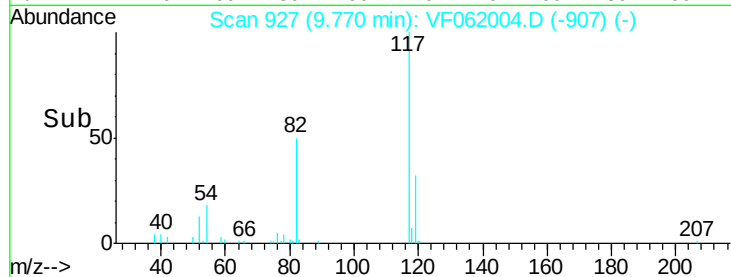
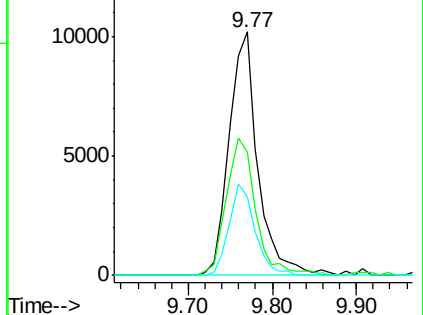
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF062004.D
Acq: 18 Mar 2019 18:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 24286
Ion Ratio Lower Upper
117 100
82 50.5 42.5 63.7
119 32.4 25.4 38.0

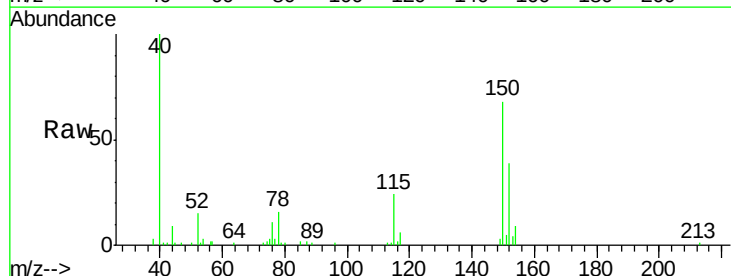


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

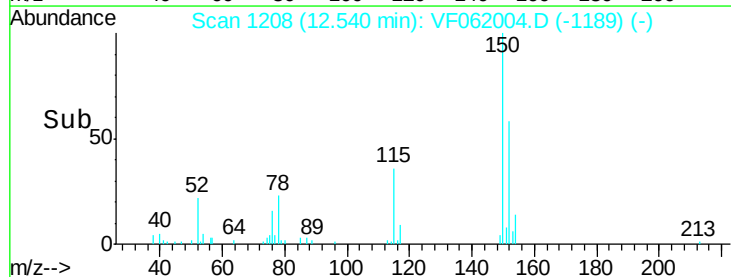
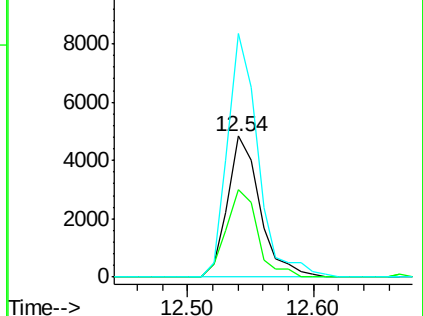


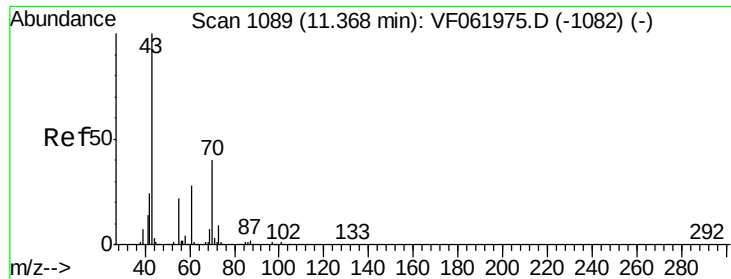
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF062004.D
Acq: 18 Mar 2019 18:27

Tgt Ion:152 Resp: 8606
Ion Ratio Lower Upper
152 100
115 62.0 27.3 81.9
150 172.6 0.0 316.2



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





#74
 N-amvl acetate
 Concen: 1.439 ug/l
 RT: 11.37 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VF062004.D
 Acq: 18 Mar 2019 18:27

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	43	Resp:	196
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.9	47.9#
55	0.0	17.9	26.9#
61	0.0	22.2	33.2#

