

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062692.D
 Acq On : 21 May 2019 19:31
 Operator : FY/SY
 Sample : K2971-10RE
 Misc : 5.57g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:58:05 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	679772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1102987	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	793257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	377062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	176566	36.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.52%	
35) Dibromofluoromethane	4.31	113	317985	37.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.36%	
50) Toluene-d8	7.71	98	633680	31.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.90%	
62) 4-Bromofluorobenzene	11.50	95	233285	30.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.04%	

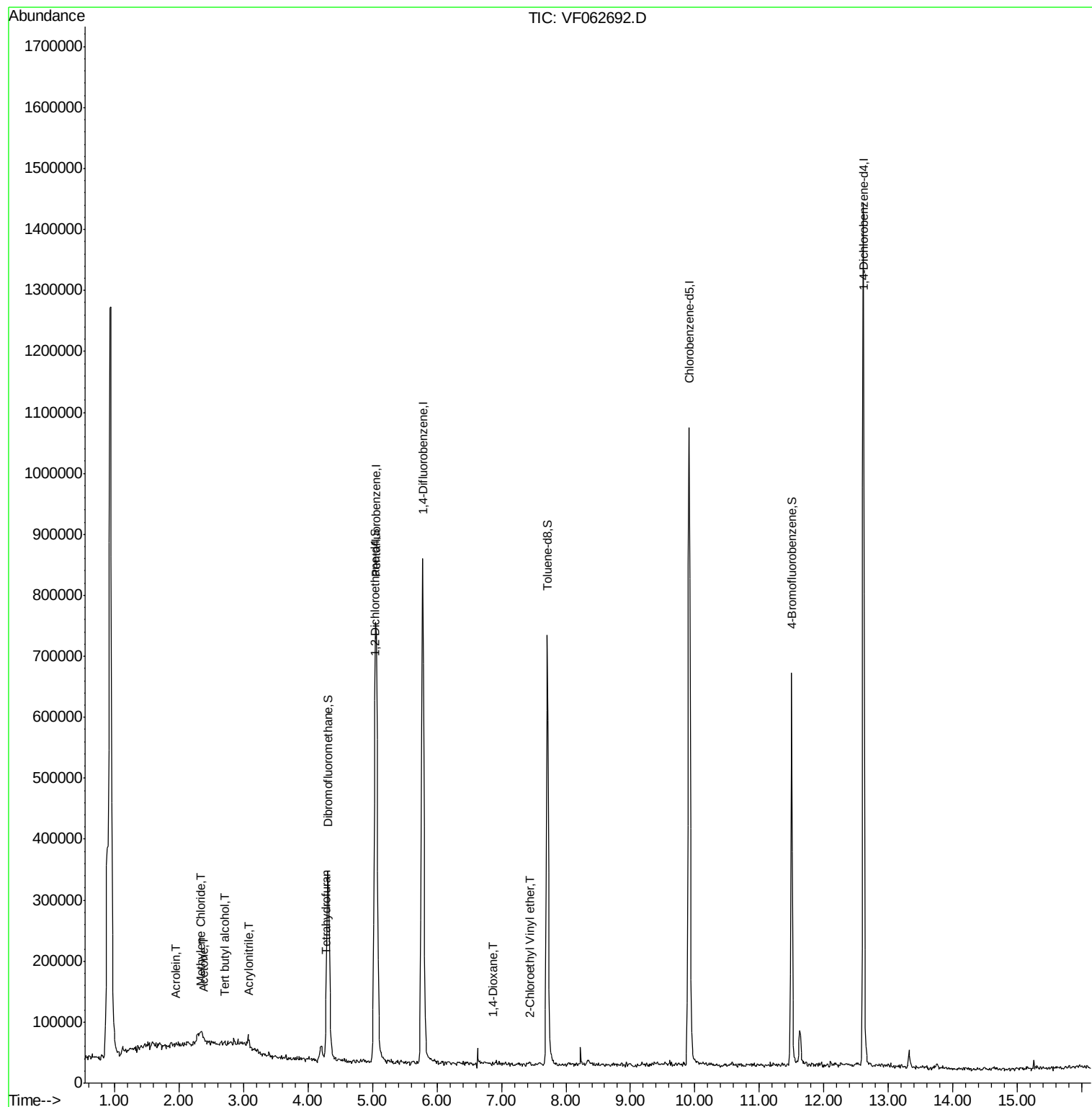
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1059	3.339	ug/l #	1
13) Acrolein	1.95	56	1937	5.851	ug/l	87
15) Acrylonitrile	3.10	53	929	1.038	ug/l #	16
16) Acetone	2.39	43	2707	2.172	ug/l	99
20) Methylene Chloride	2.35	84	18434	2.951	ug/l	96
29) Tetrahydrofuran	4.27	42	1451	1.347	ug/l #	62
49) 1,4-Dioxane	6.85	88	312	7.795	ug/l #	53
58) 2-Chloroethyl Vinyl ether	7.45	63	2384	1.286	ug/l #	64
59) 2-Hexanone	9.54	43	1692	Below Cal		65
74) N-amyl acetate	11.45	43	1235	Below Cal	#	51

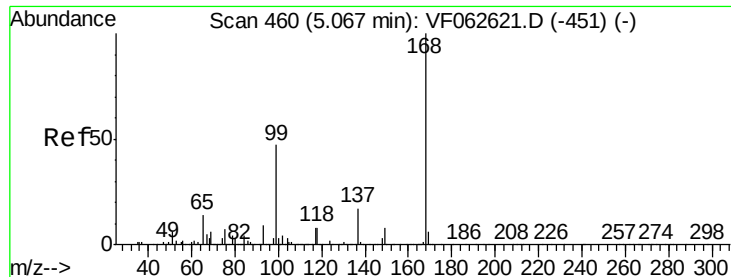
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
Data File : VF062692.D
Acq On : 21 May 2019 19:31
Operator : FY/SY
Sample : K2971-10RE
Misc : 5.57g/5mL/MSVOA F/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 22 03:58:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

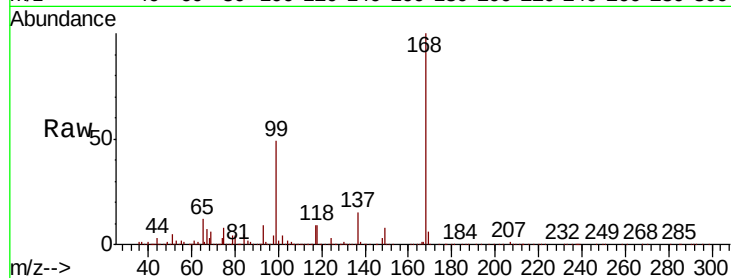
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 679772

Ion Ratio Lower Upper

168 100

99 48.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

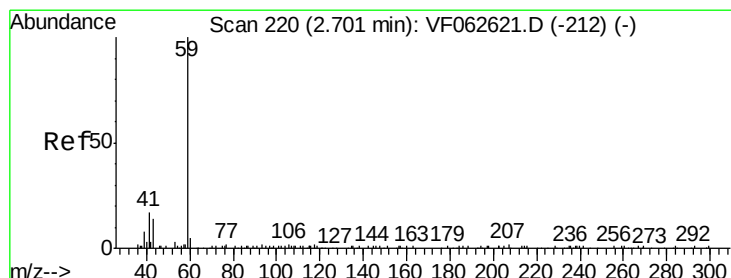
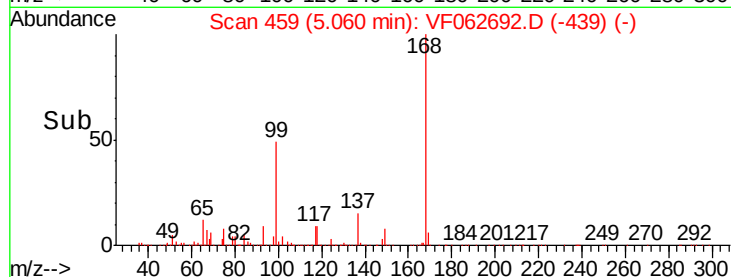
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.339 ug/l

RT: 2.71 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF062692.D

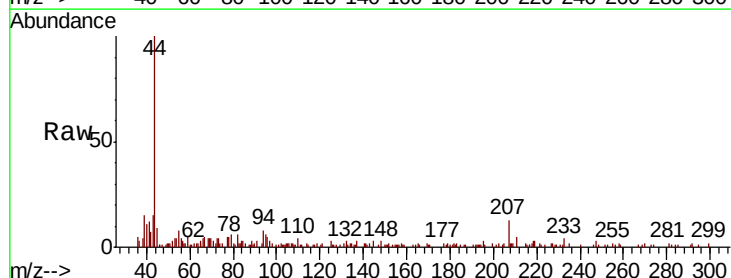
Acq: 21 May 2019 19:31

Tgt Ion: 59 Resp: 1059

Ion Ratio Lower Upper

59 100

57 81.4 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

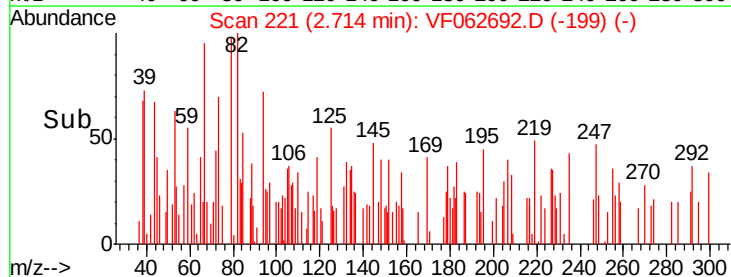
600

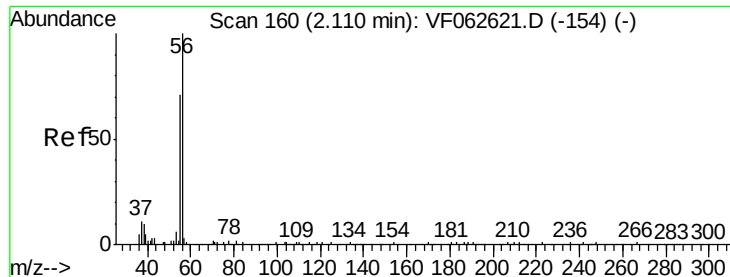
400

200

0

Time-->

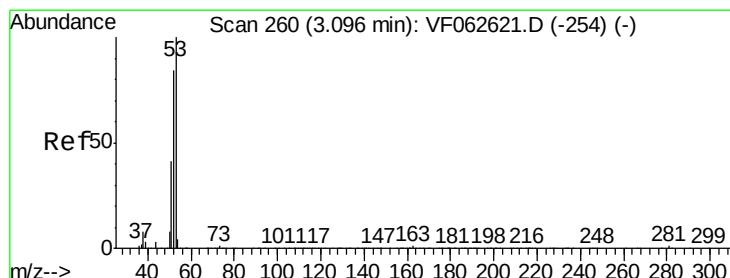
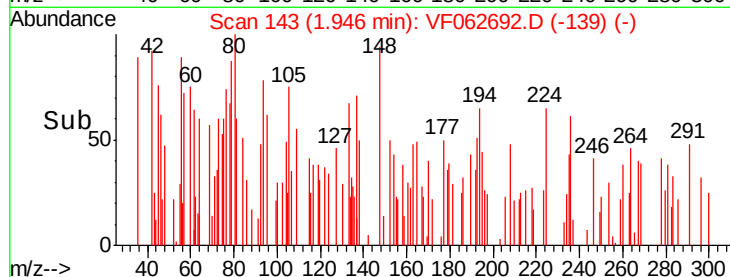
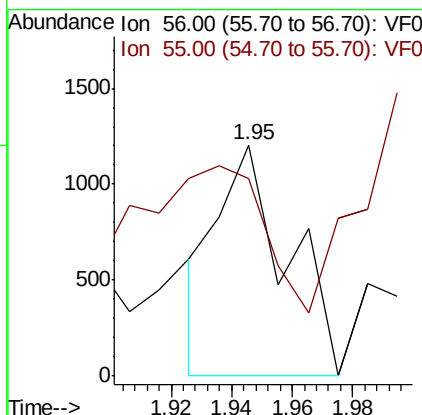
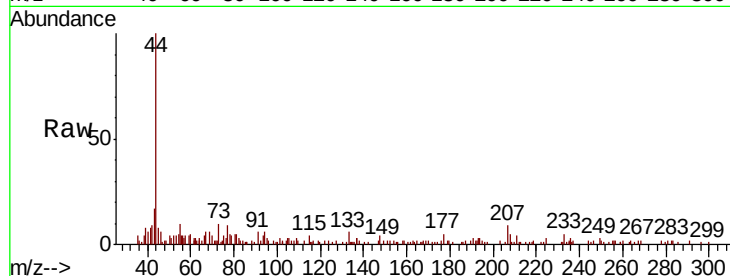




#13
Acrolein
Concen: 5.851 ug/l
RT: 1.95 min Scan# 143
Delta R.T. -0.16 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

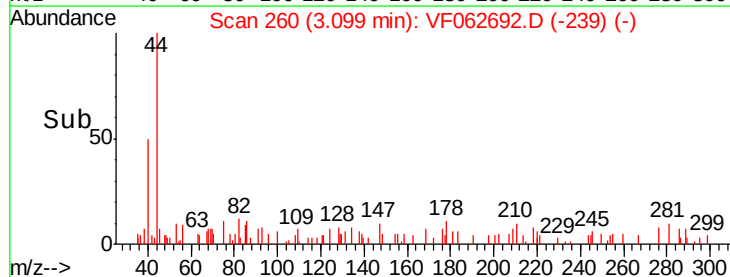
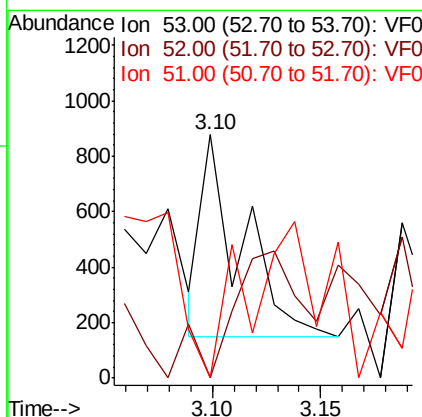
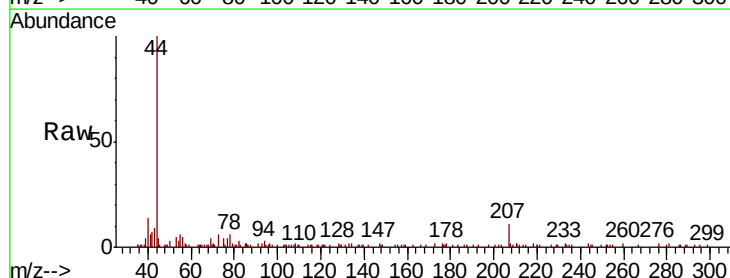
Instrument :
MSVOA_F
ClientSampled :

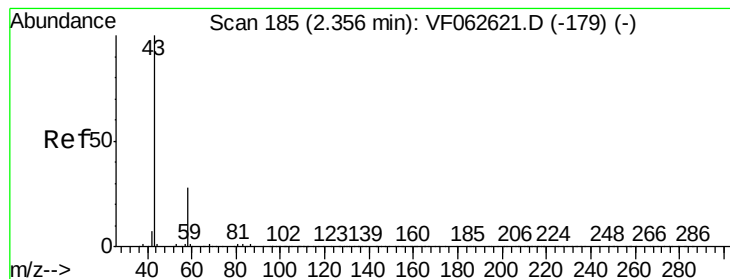
Tot Ion: 56 Resp: 1937
Ion Ratio Lower Upper
56 100
55 85.2 59.4 89.0



#15
Acrylonitrile
Concen: 1.038 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.00 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion: 53 Resp: 929
Ion Ratio Lower Upper
53 100
52 0.0 67.3 100.9#
51 0.0 33.0 49.6#





#16

Acetone

Concen: 2.172 ug/l

RT: 2.39 min Scan# 188

Delta R.T. 0.03 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

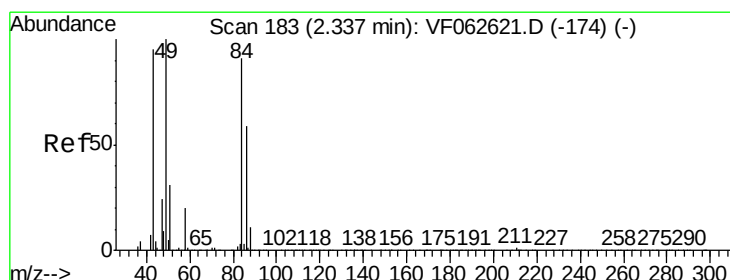
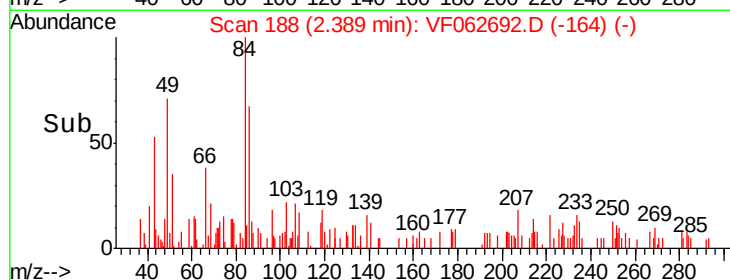
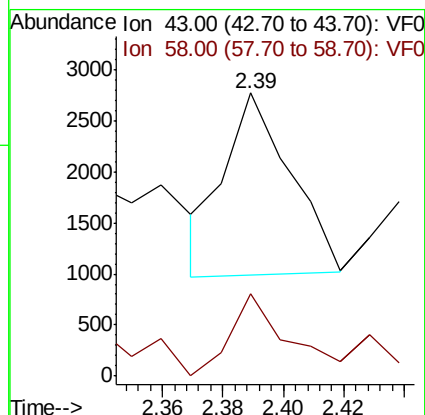
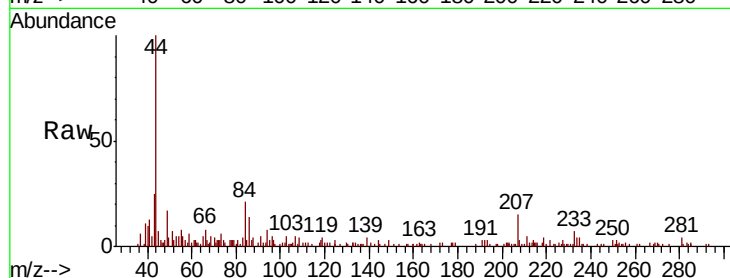
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

58 29.0 22.6 33.8



#20

Methylene Chloride

Concen: 2.951 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Tgt Ion: 84 Resp: 18434

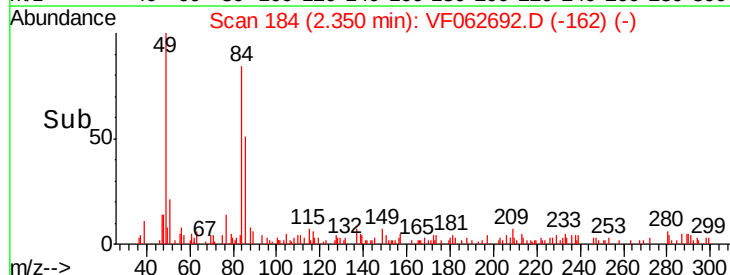
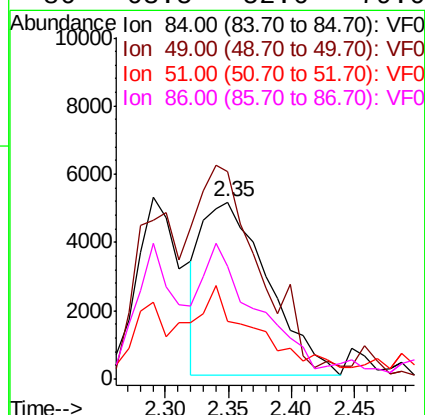
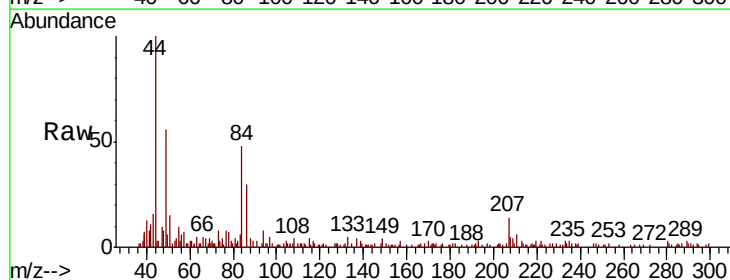
Ion Ratio Lower Upper

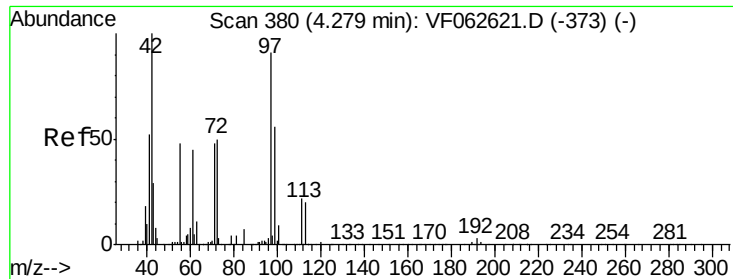
84 100

49 117.2 89.8 134.8

51 32.4 28.4 42.6

86 63.5 52.6 79.0

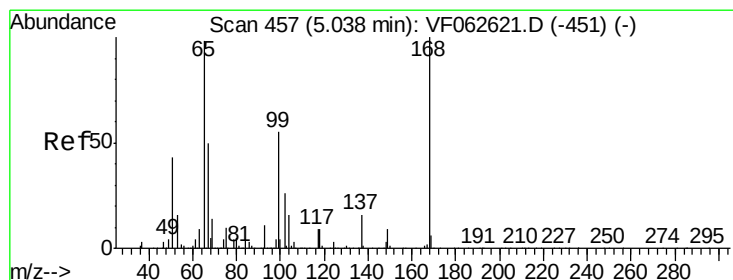
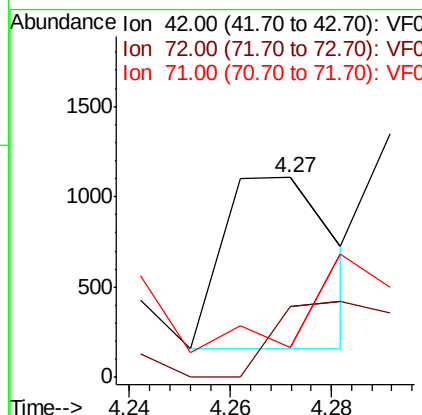
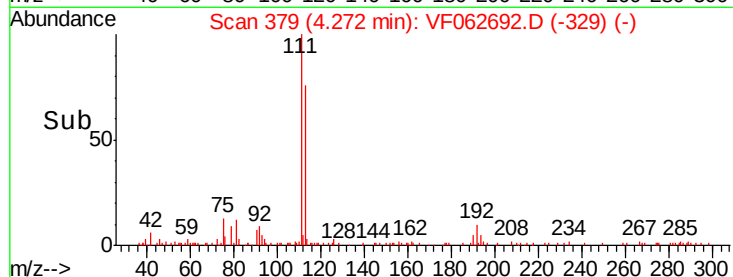
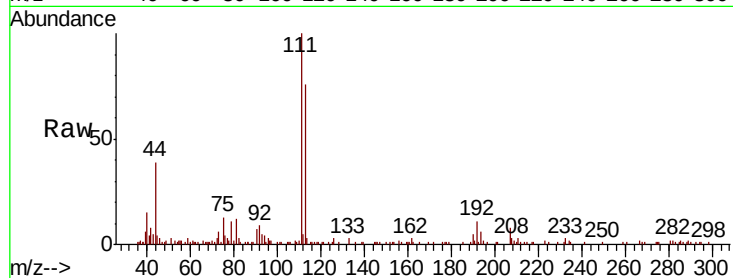




#29
Tetrahydrofuran
Concen: 1.347 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

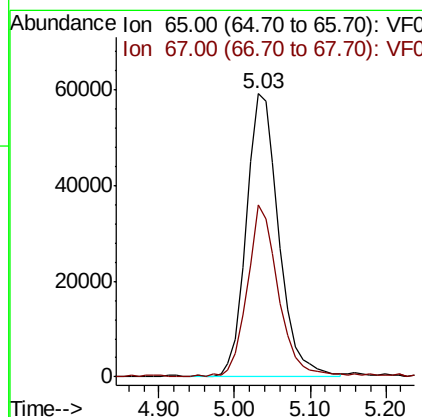
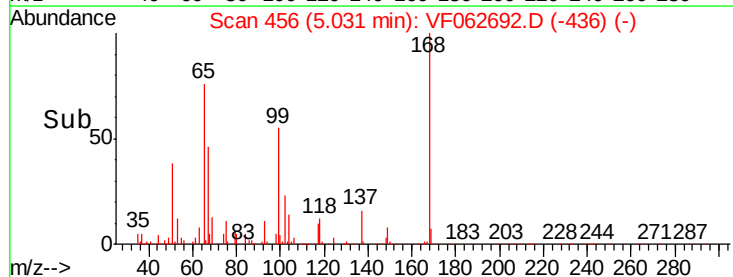
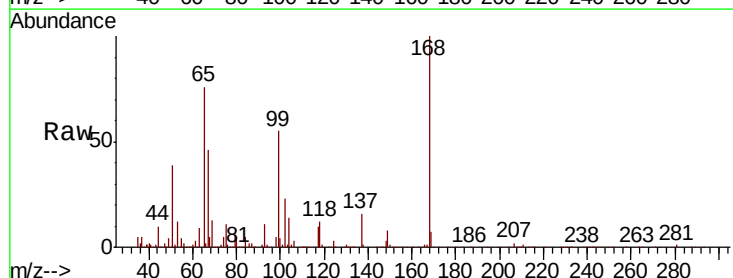
Instrument :
MSVOA_F
ClientSampleId :

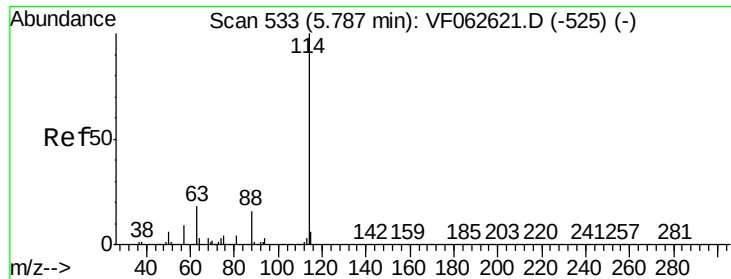
Tot Ion: 42 Resp: 1451
Ion Ratio Lower Upper
42 100
72 73.9 38.2 57.2#
71 68.3 35.8 53.6#



#33
1,2-Dichloroethane-d4
Concen: 36.757 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion: 65 Resp: 176566
Ion Ratio Lower Upper
65 100
67 60.8 0.0 117.6

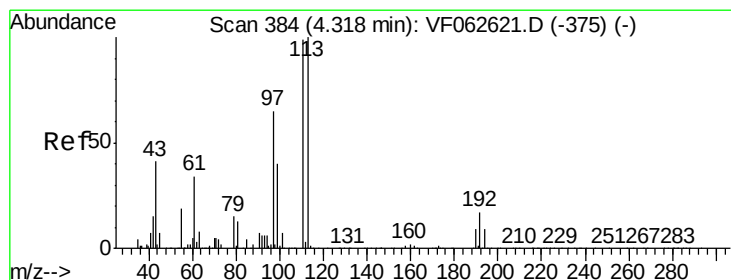
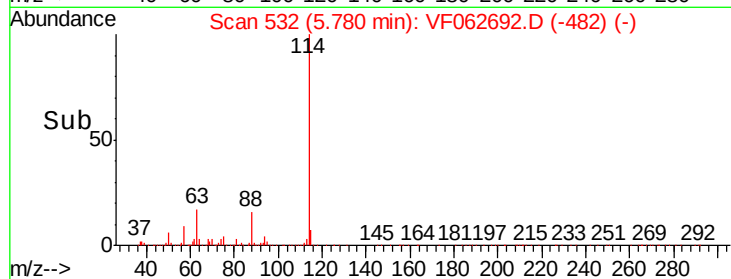
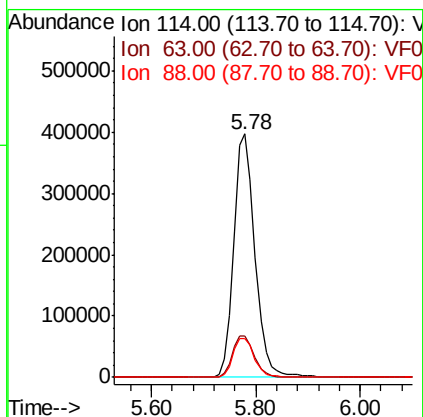
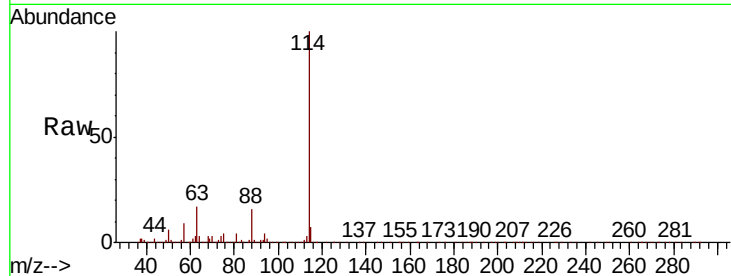




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

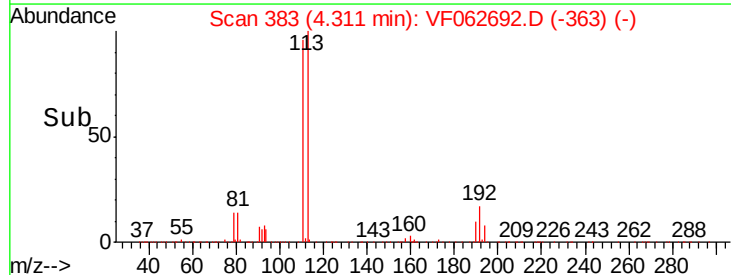
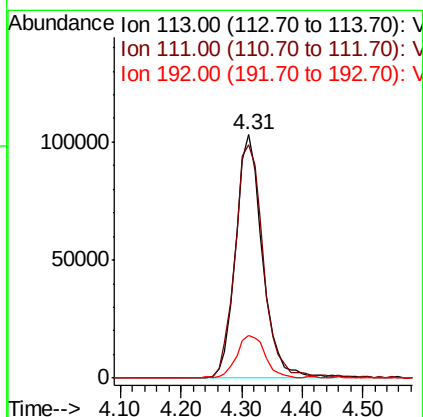
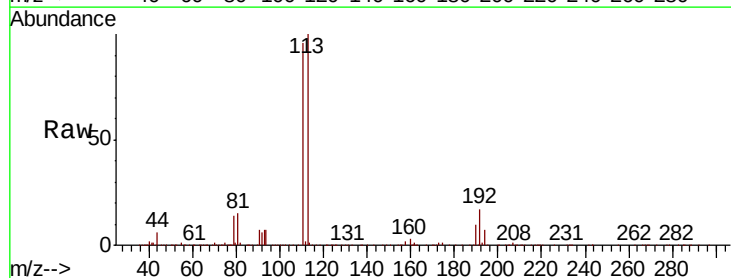
Instrument :
MSVOA_F
ClientSampled :

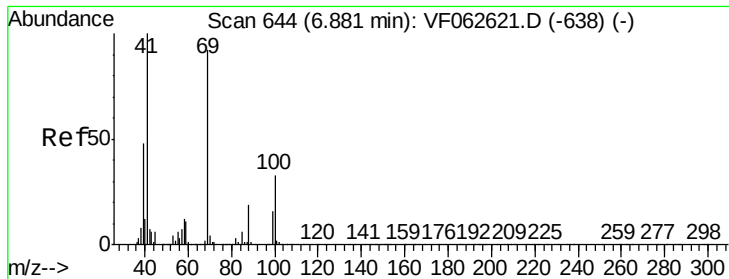
Tot Ion:114 Resp: 1102987
Ion Ratio Lower Upper
114 100
63 16.9 0.0 35.4
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 37.676 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion:113 Resp: 317985
Ion Ratio Lower Upper
113 100
111 95.7 79.4 119.2
192 17.4 13.4 20.2





#49

1,4-Dioxane

Concen: 7.795 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

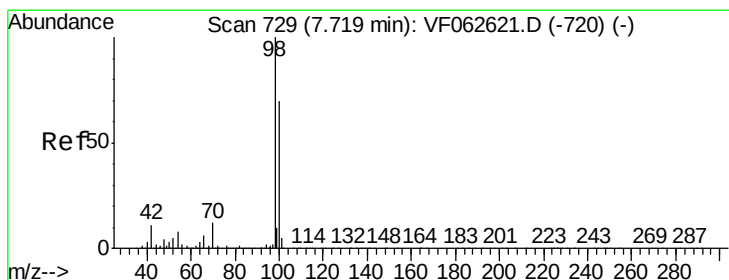
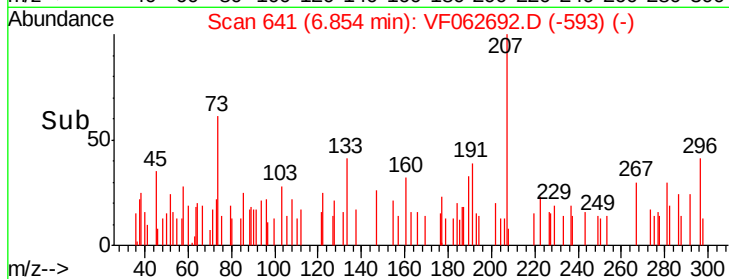
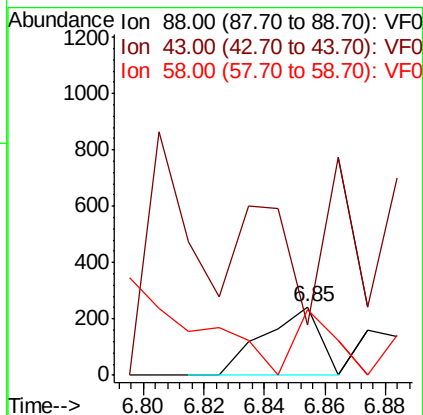
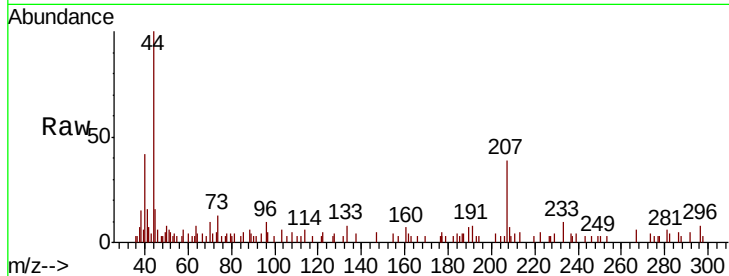
Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 312

Ion	Ratio	Lower	Upper
88	100		
43	73.0	30.0	45.0#
58	95.1	51.1	76.7#



#50

Toluene-d8

Concen: 31.446 ug/l

RT: 7.71 min Scan# 728

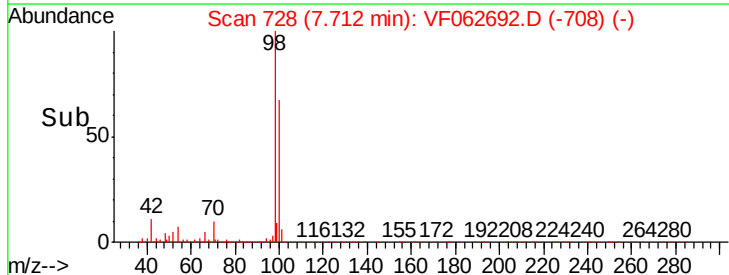
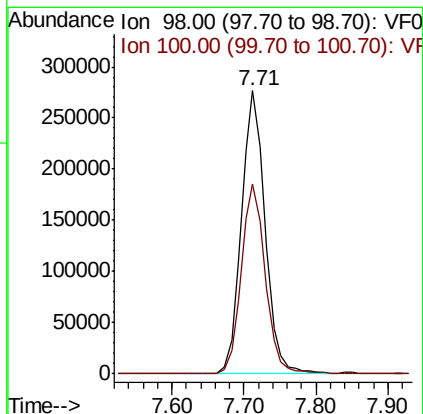
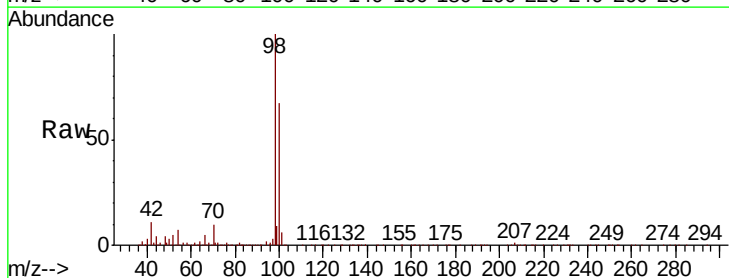
Delta R.T. -0.01 min

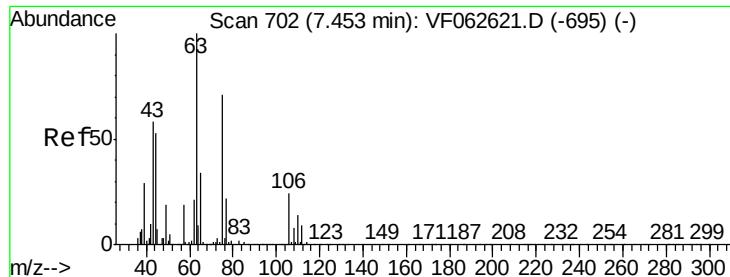
Lab File: VF062692.D

Acq: 21 May 2019 19:31

Tgt Ion: 98 Resp: 633680

Ion	Ratio	Lower	Upper
98	100		
100	67.0	56.2	84.2

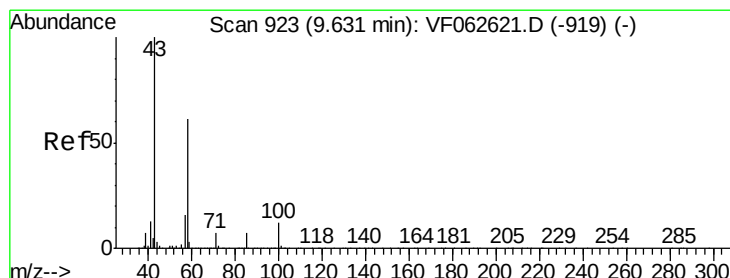
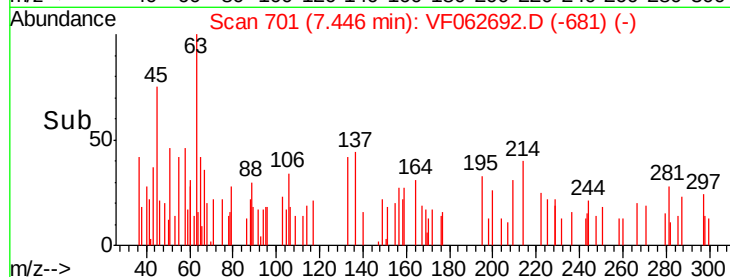
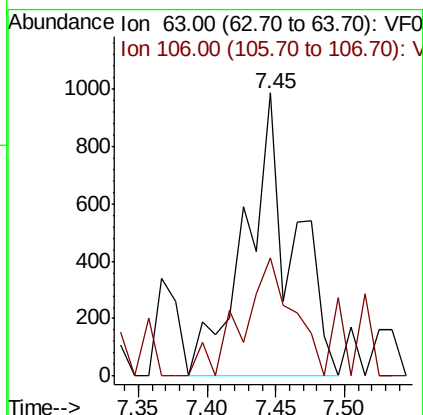
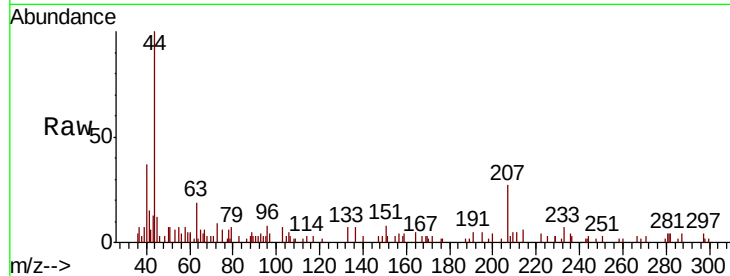




#58
2-Chloroethyl Vinyl ether
Concen: 1.286 ug/l
RT: 7.45 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

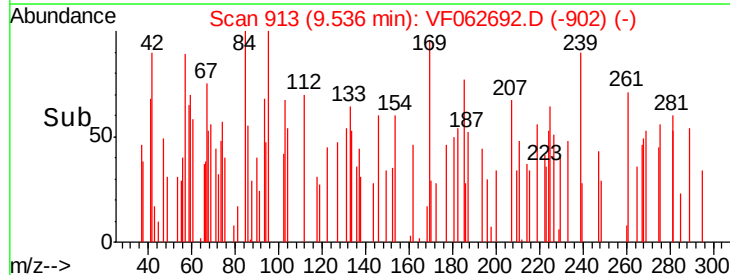
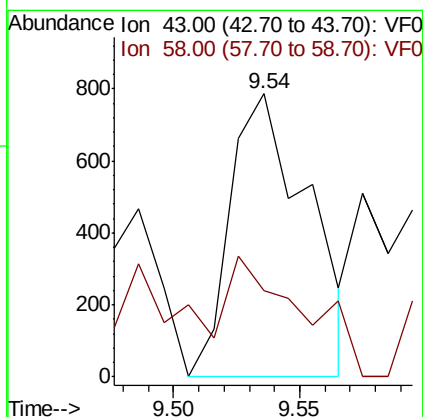
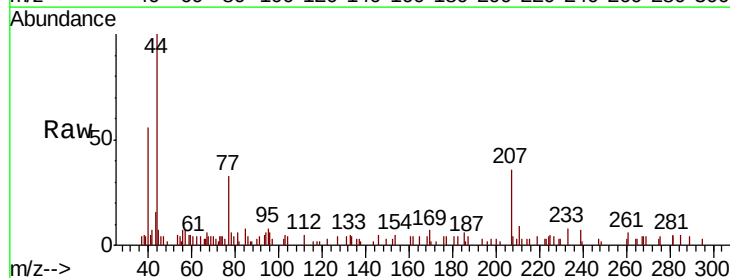
Instrument :
MSVOA_F
ClientSampled :

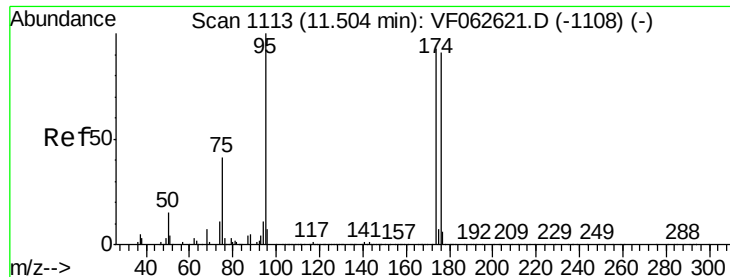
Tot Ion: 63 Resp: 2384
Ion Ratio Lower Upper
63 100
106 41.7 19.1 28.7#



#59
2-Hexanone
Concen: Below Cal
RT: 9.54 min Scan# 913
Delta R.T. -0.10 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion: 43 Resp: 1692
Ion Ratio Lower Upper
43 100
58 30.6 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 30.523 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

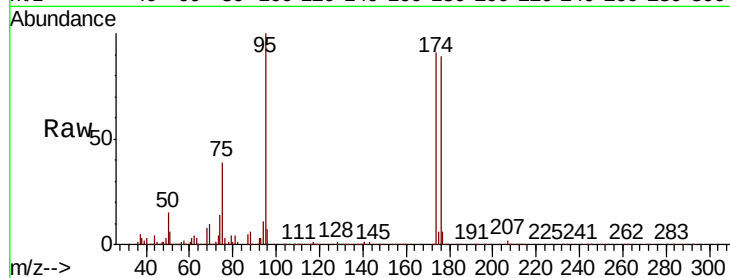
Tot Ion: 95 Resp: 233285

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.6

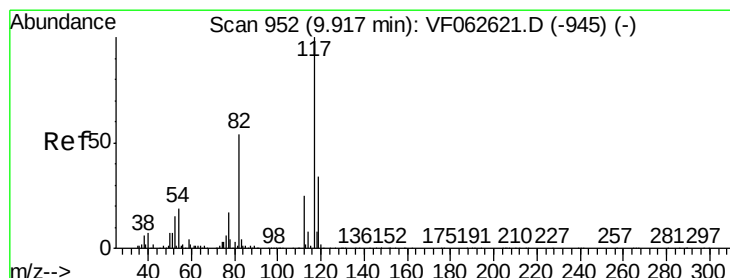
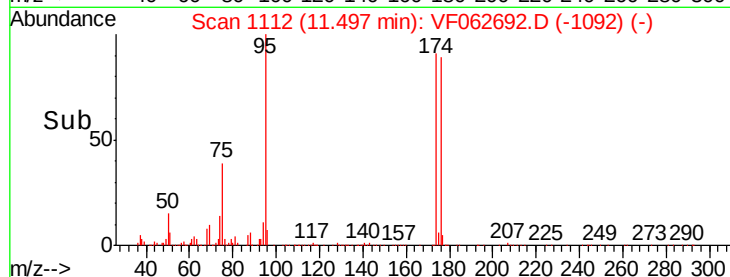
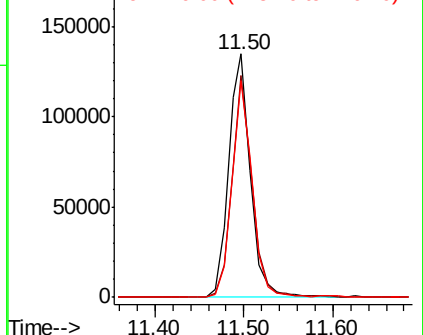
176 88.8 0.0 182.4



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: 9.91 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

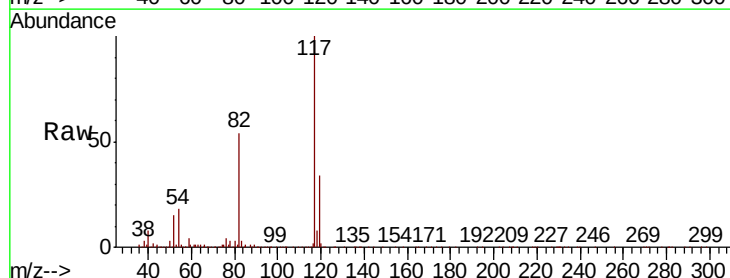
Tgt Ion: 117 Resp: 793257

Ion Ratio Lower Upper

117 100

82 53.7 43.3 64.9

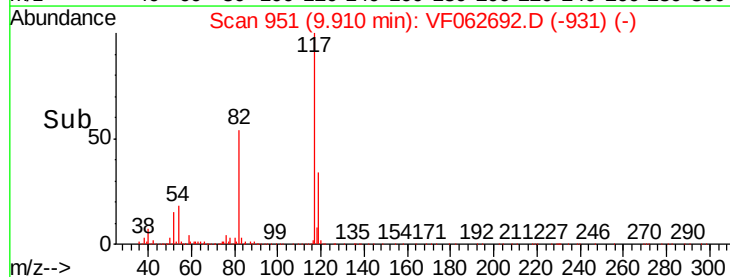
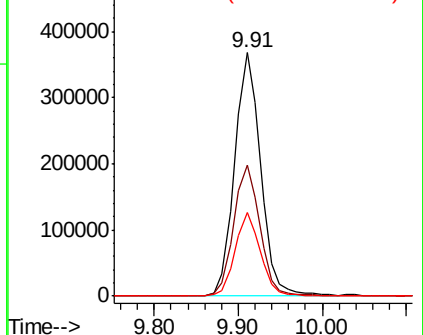
119 34.2 27.4 41.0

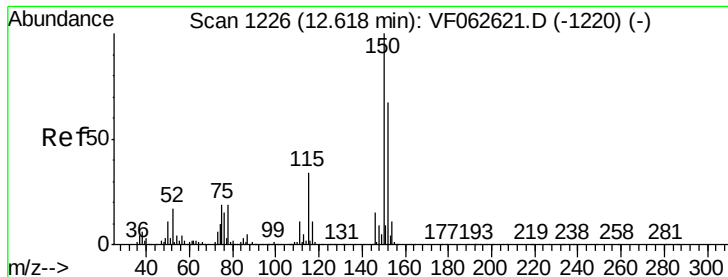


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.61 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

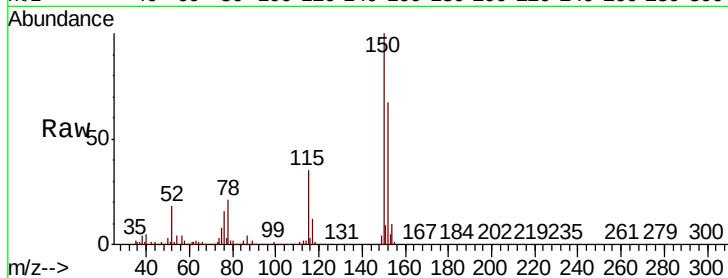
Tot Ion:152 Resp: 377062

Ion Ratio Lower Upper

152 100

115 52.3 25.2 75.6

150 149.6 0.0 306.2

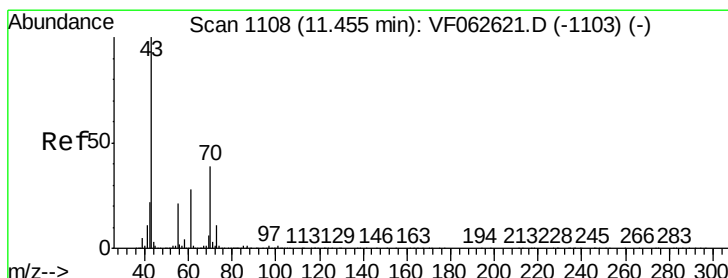
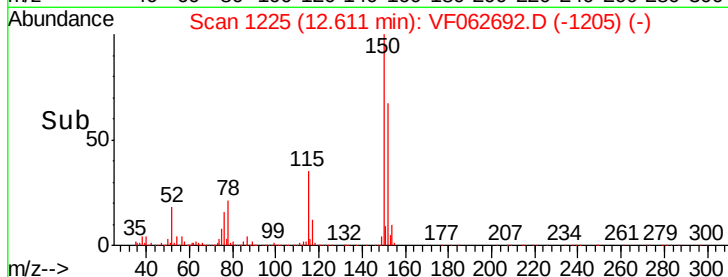
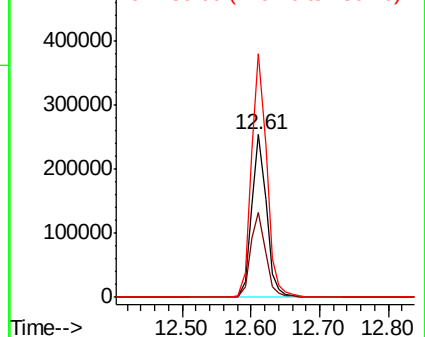


Abundance

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-ethyl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Tgt Ion: 43 Resp: 1235

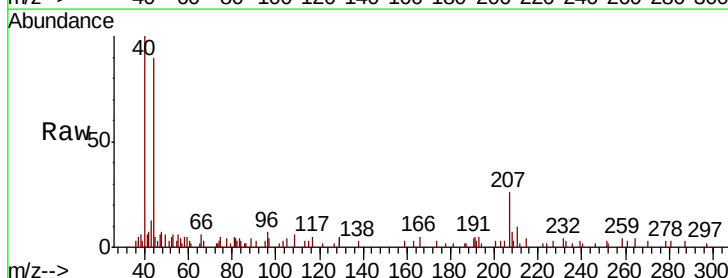
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 50.8 17.0 25.4#

61 18.3 22.6 34.0#



Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

