

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062691.D
 Acq On : 21 May 2019 19:03
 Operator : FY/SY
 Sample : K2971-09RE
 Misc : 5.41g/5mL/MSVOA F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:57:55 2019
 Quant Method : Z:\VOASRV\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	742184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1255909	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	875238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	416415	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	184652	35.21	ug/l	0.00
Spiked Amount			Recovery	=	70.42%	
35) Dibromofluoromethane	4.31	113	344625	35.86	ug/l	0.00
Spiked Amount			Recovery	=	71.72%	
50) Toluene-d8	7.71	98	693092	30.21	ug/l	0.00
Spiked Amount			Recovery	=	60.42%	
62) 4-Bromofluorobenzene	11.49	95	241976	27.81	ug/l	0.00
Spiked Amount			Recovery	=	55.62%	

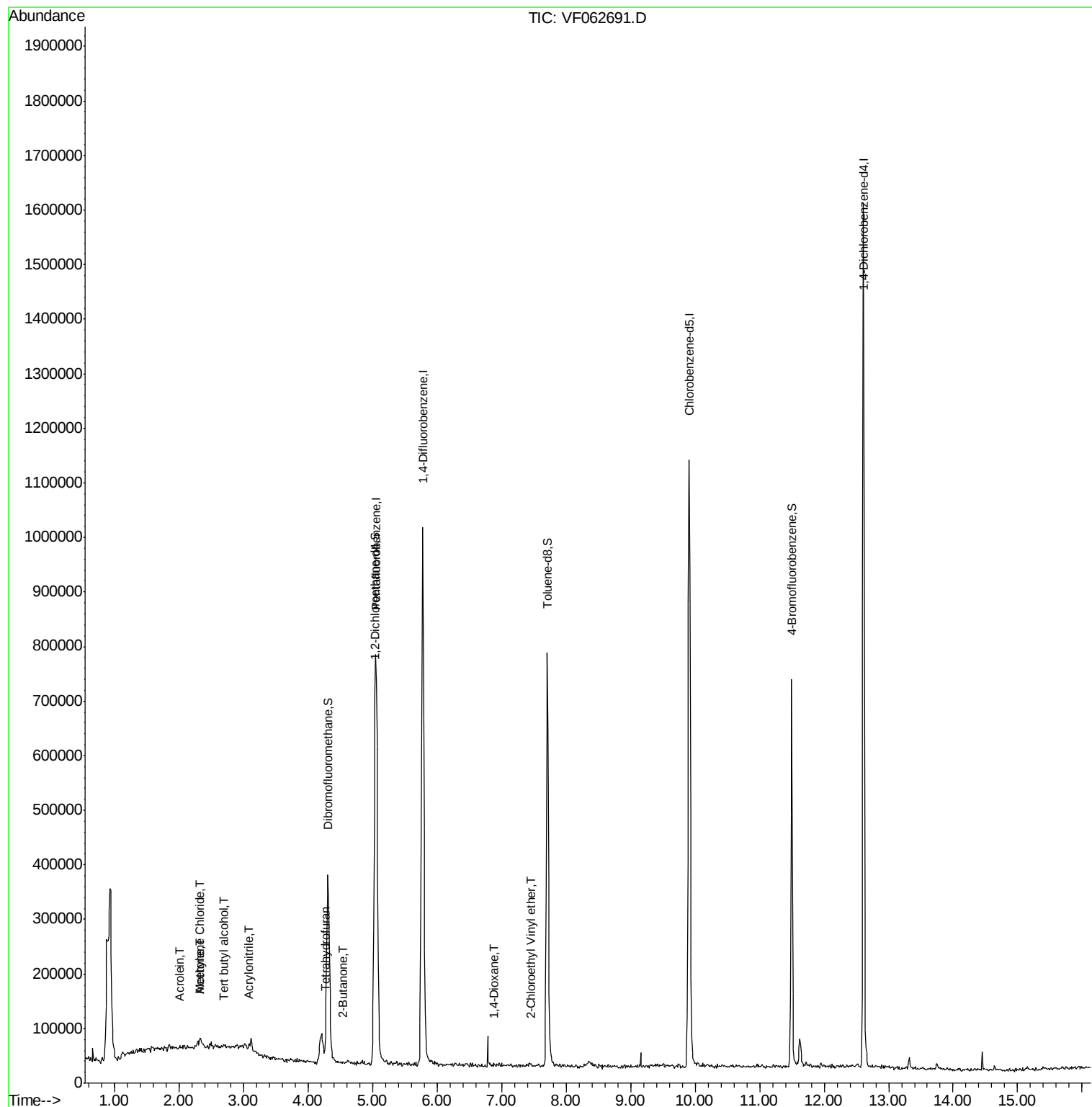
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	922	2.663	ug/l #	1
13) Acrolein	2.02	56	762	2.108	ug/l	95
15) Acrylonitrile	3.09	53	1431	1.465	ug/l #	55
16) Acetone	2.34	43	6822	5.014	ug/l	96
20) Methylene Chloride	2.34	84	16367	2.400	ug/l #	66
25) 2-Butanone	4.54	43	3545	1.219	ug/l #	83
29) Tetrahydrofuran	4.26	42	2379	2.022	ug/l #	30
49) 1,4-Dioxane	6.87	88	263	5.771	ug/l #	30
58) 2-Chloroethyl Vinyl ether	7.45	63	2250	1.066	ug/l #	51
59) 2-Hexanone	9.63	43	2932	Below Cal		91
74) N-amyl acetate	11.45	43	678	Below Cal	#	68

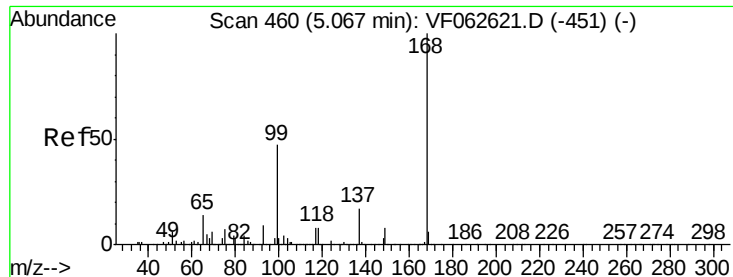
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
Data File : VF062691.D
Acq On : 21 May 2019 19:03
Operator : FY/SY
Sample : K2971-09RE
Misc : 5.41g/5mL/MSVOA F/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: May 22 03:57:55 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: VF062691.D

Acq: 21 May 2019 19:03

Instrument :

MSVOA_F

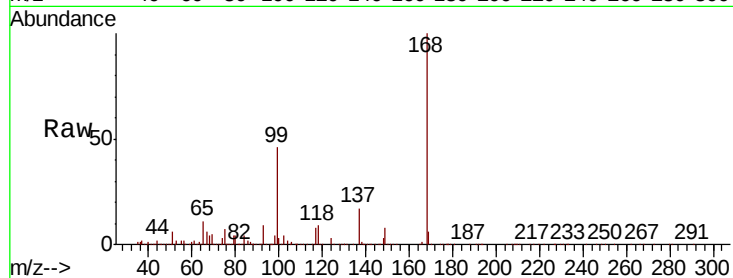
ClientSampled :

Tot Ion:168 Resp: 742184

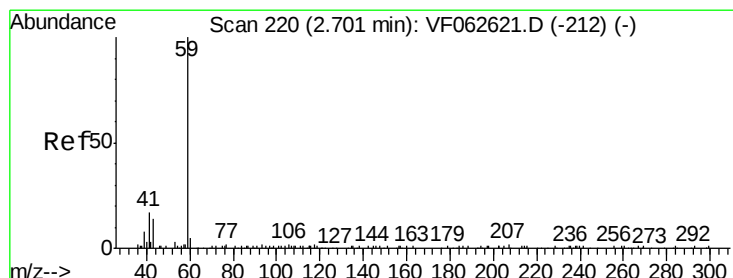
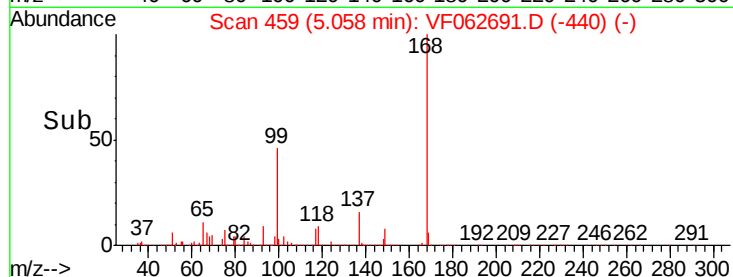
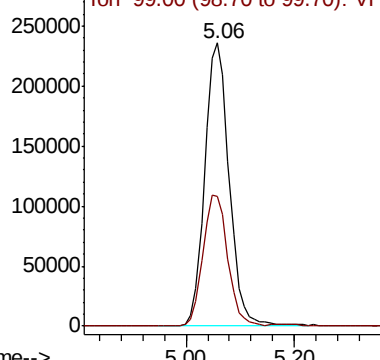
Ion Ratio Lower Upper

168 100

99 45.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: 2.663 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062691.D

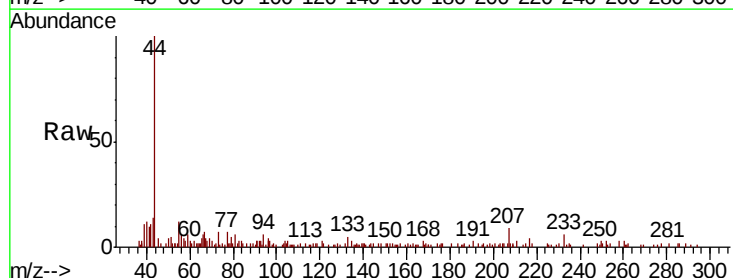
Acq: 21 May 2019 19:03

Tgt Ion: 59 Resp: 922

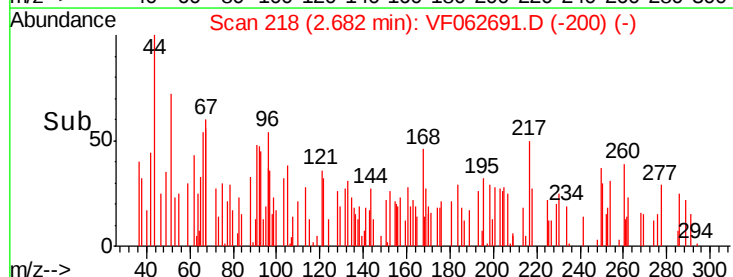
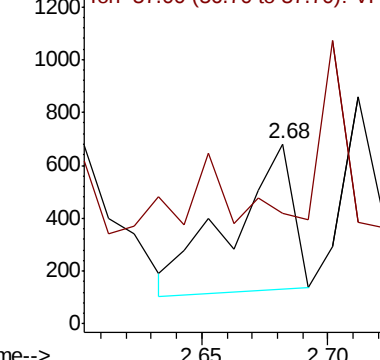
Ion Ratio Lower Upper

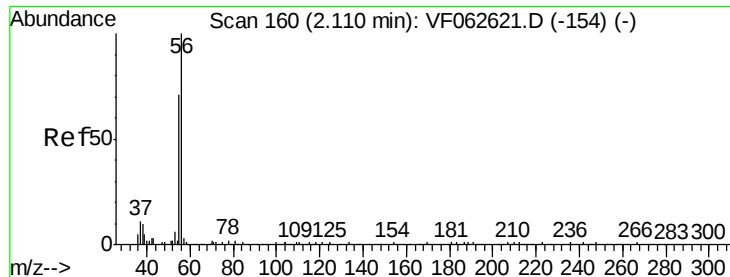
59 100

57 61.7 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

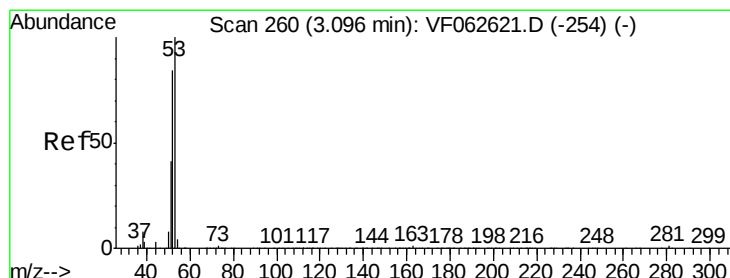
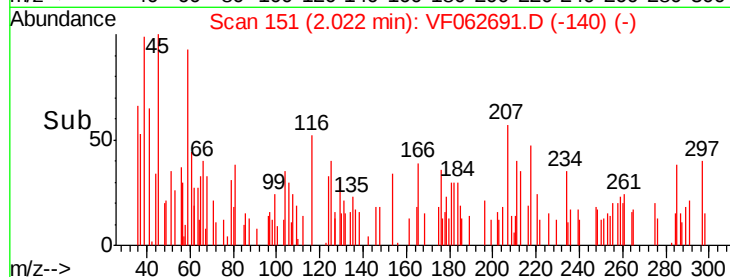
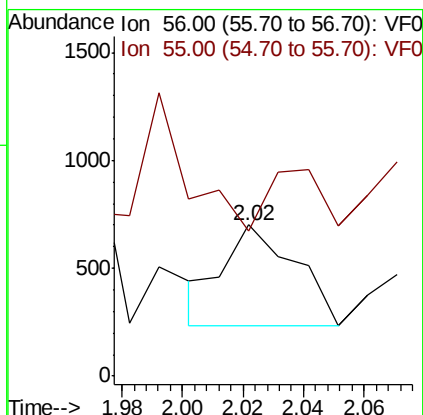
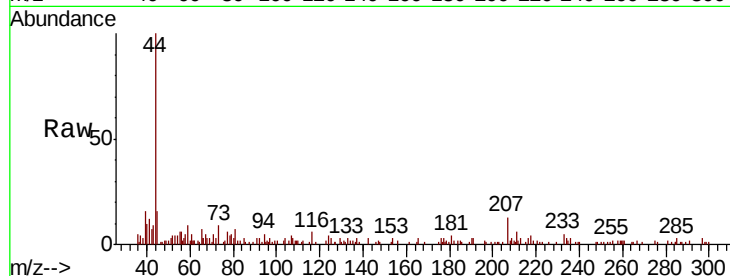




#13
Acrolein
Concen: 2.108 ug/l
RT: 2.02 min Scan# 151
Delta R.T. -0.09 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

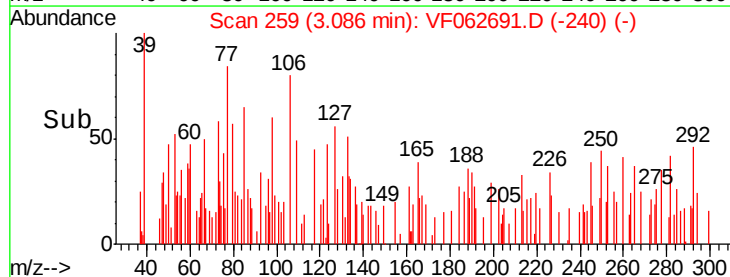
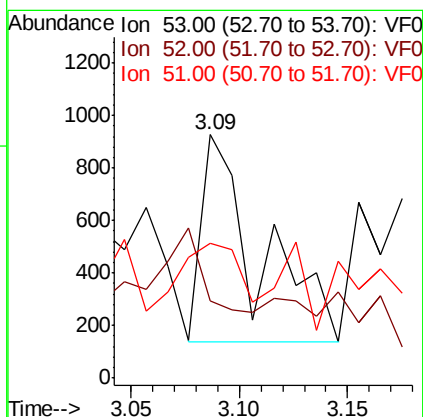
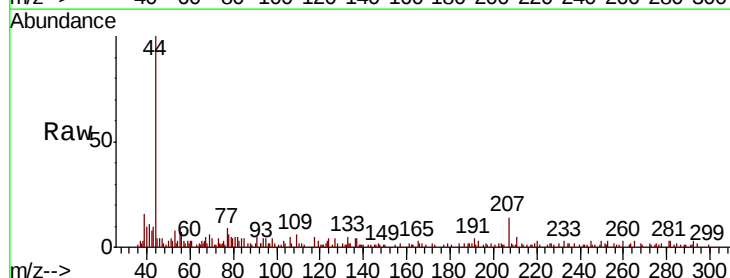
Instrument :
MSVOA_F
ClientSampled :

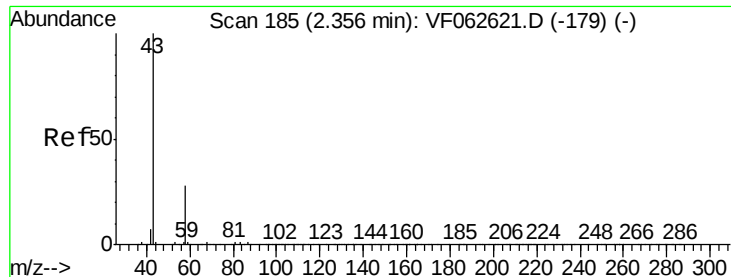
Tot Ion: 56 Resp: 762
Ion Ratio Lower Upper
56 100
55 69.7 59.4 89.0



#15
Acrylonitrile
Concen: 1.465 ug/l
RT: 3.09 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion: 53 Resp: 1431
Ion Ratio Lower Upper
53 100
52 26.2 67.3 100.9#
51 46.3 33.0 49.6





#16

Acetone

Concen: 5.014 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.02 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

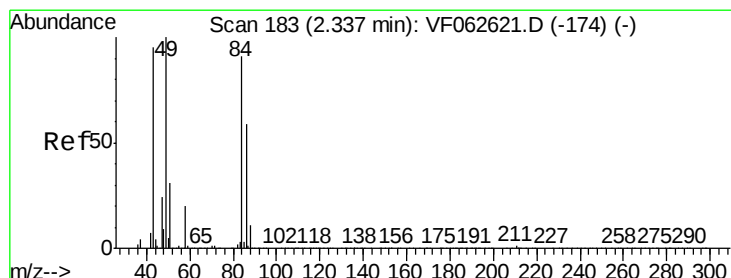
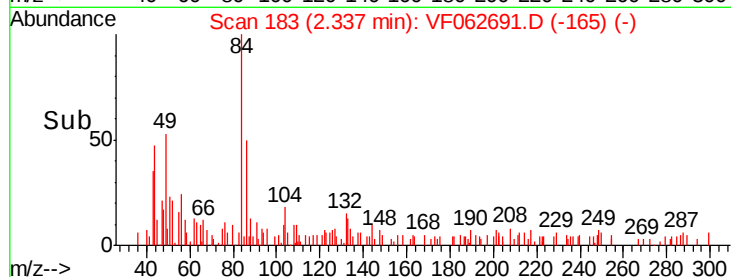
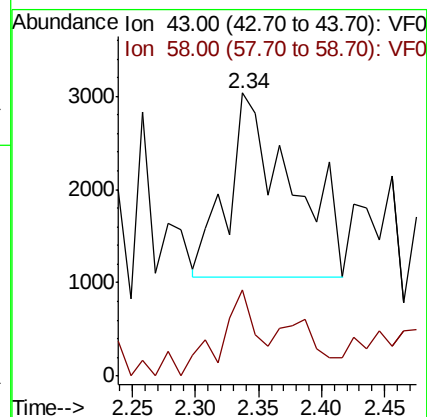
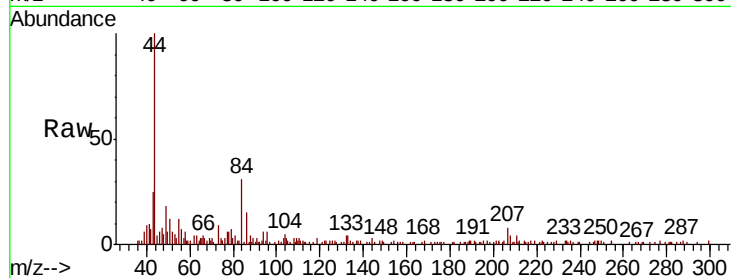
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 6822

Ion Ratio Lower Upper

43 100

58 30.6 22.6 33.8



#20

Methylene Chloride

Concen: 2.400 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

Tgt Ion: 84 Resp: 16367

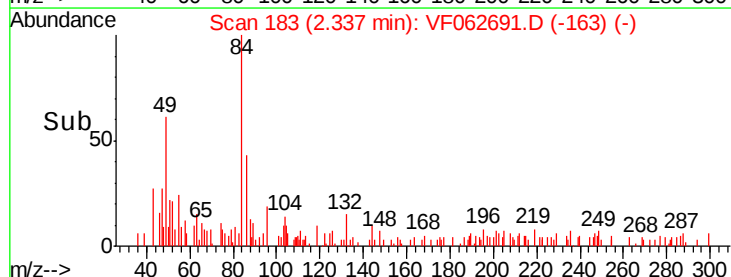
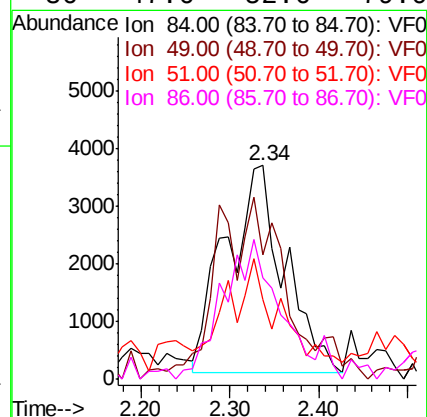
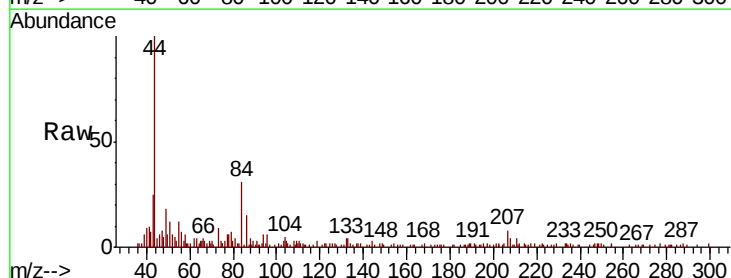
Ion Ratio Lower Upper

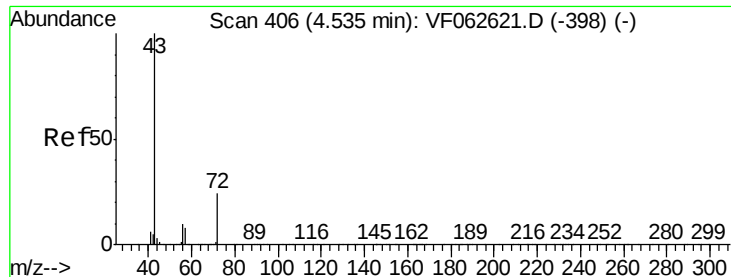
84 100

49 58.1 89.8 134.8#

51 37.1 28.4 42.6

86 47.6 52.6 79.0#





#25

2-Butanone

Concen: 1.219 ug/l

RT: 4.54 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

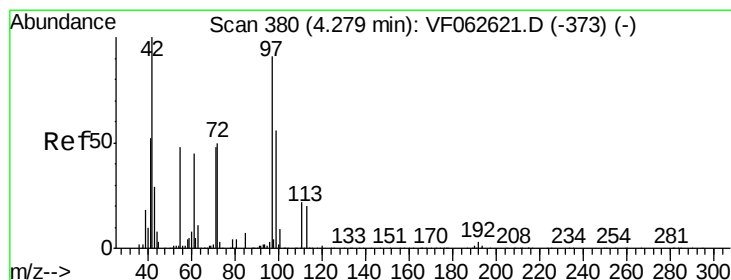
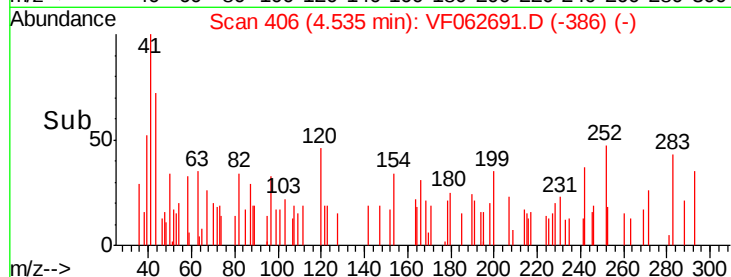
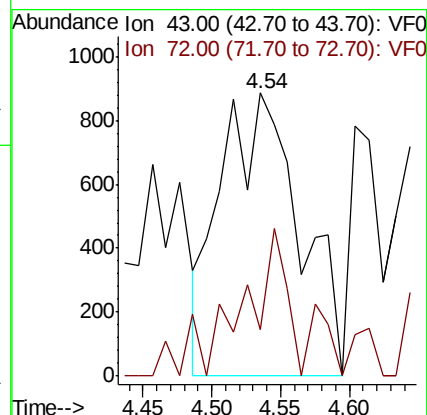
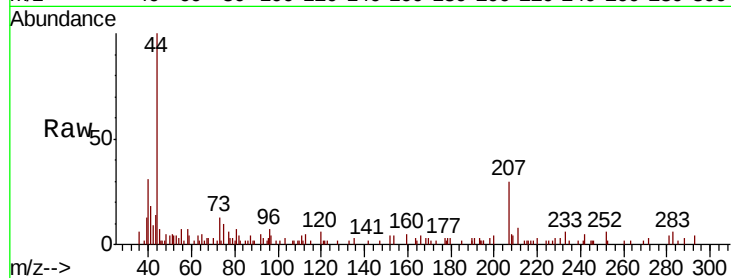
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 3545

Ion Ratio Lower Upper

43 100

72 16.6 20.1 30.1#



#29

Tetrahydrofuran

Concen: 2.022 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

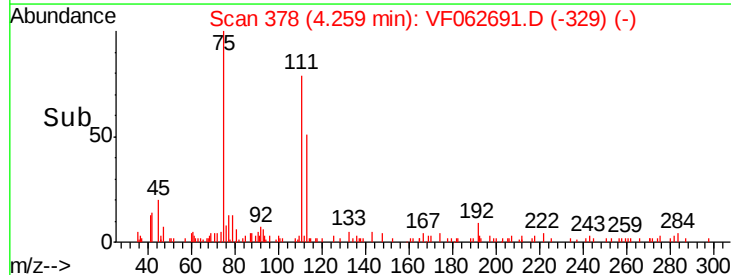
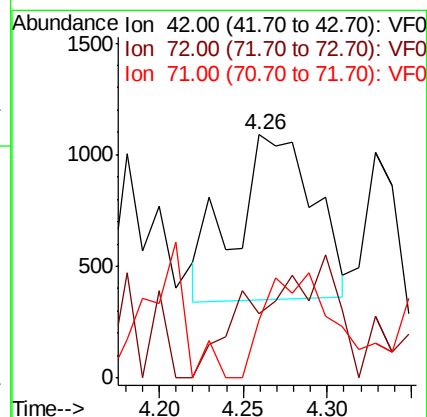
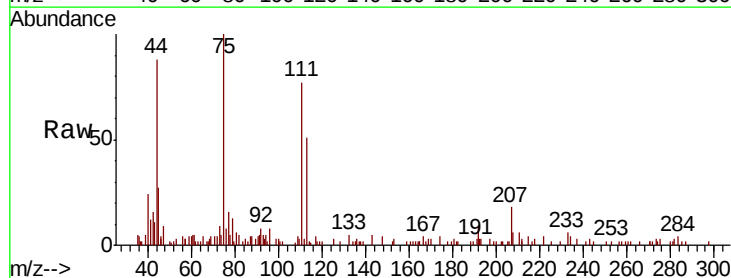
Tgt Ion: 42 Resp: 2379

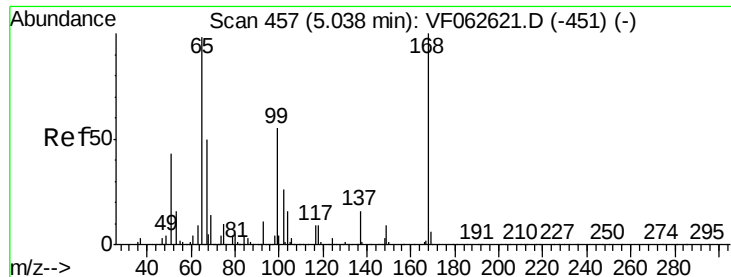
Ion Ratio Lower Upper

42 100

72 0.0 38.2 57.2#

71 0.0 35.8 53.6#





#33

1,2-Dichloroethane-d4

Concen: 35.208 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

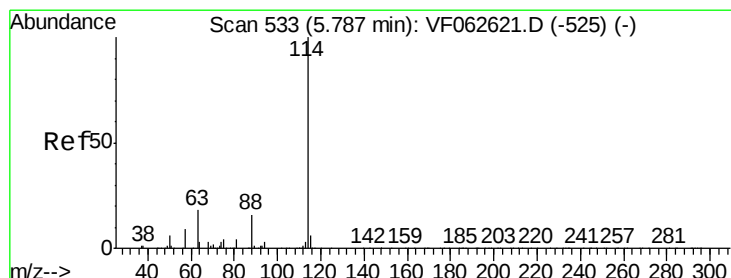
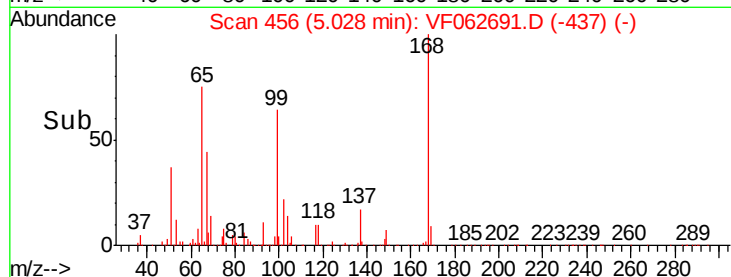
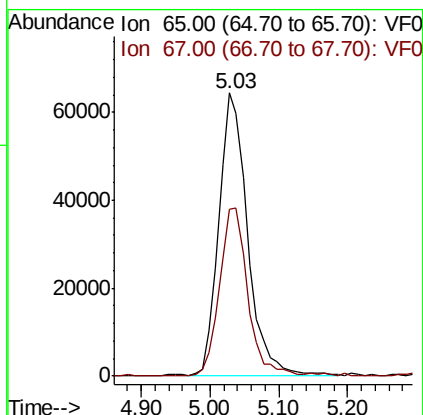
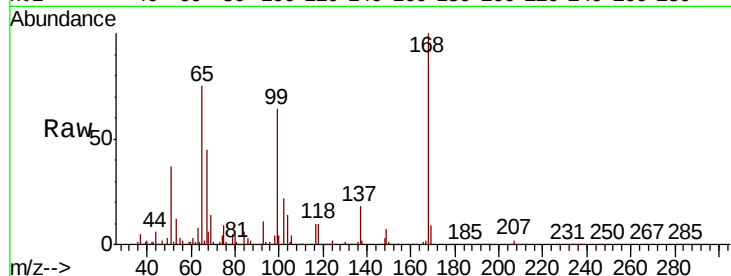
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 184652

Ion Ratio Lower Upper

65 100

67 59.0 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: VF062691.D

Acq: 21 May 2019 19:03

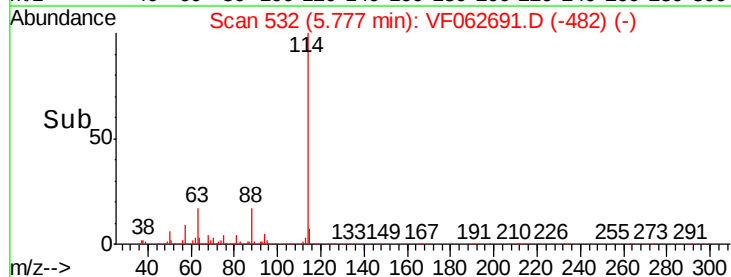
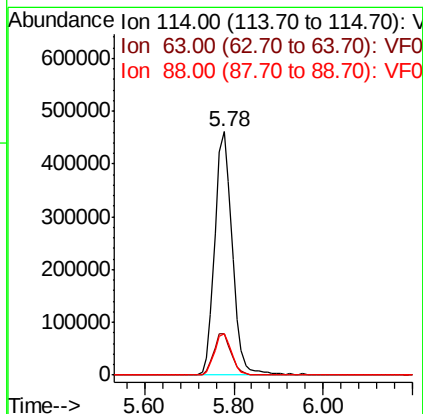
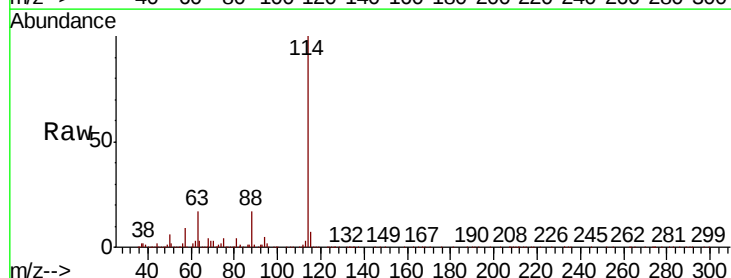
Tgt Ion: 114 Resp: 1255909

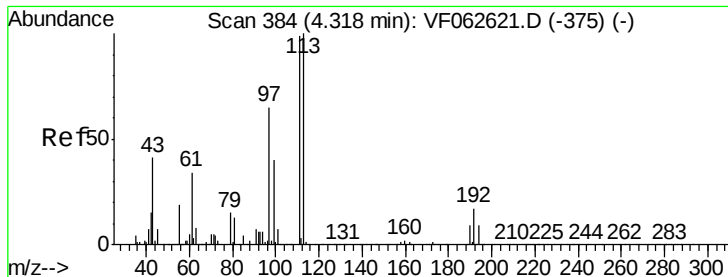
Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.4

88 17.0 0.0 32.4

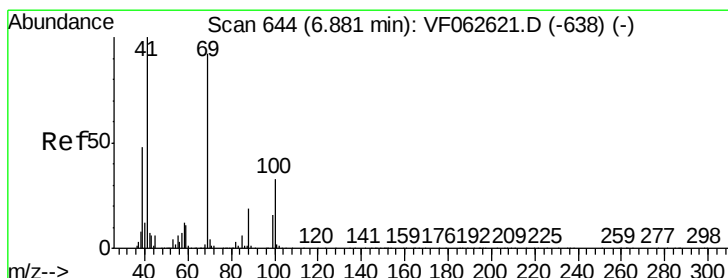
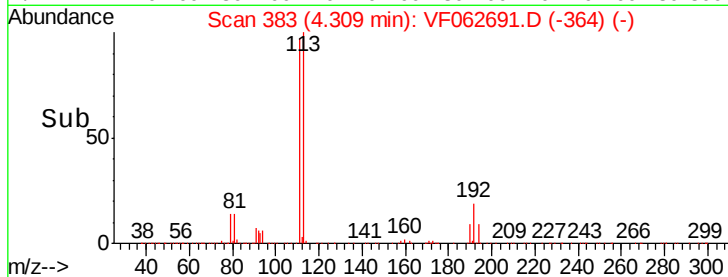
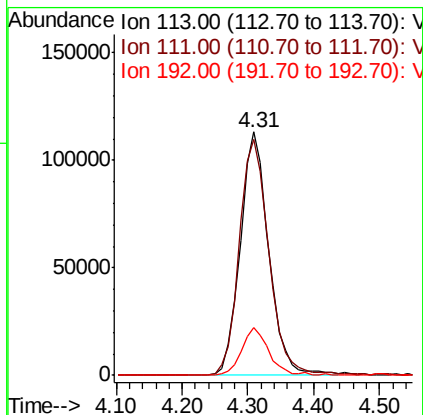
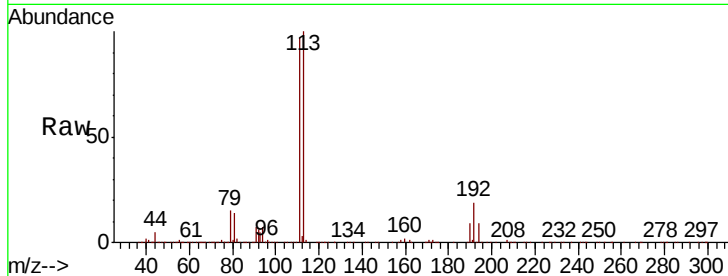




#35
 Dibromofluoromethane
 Concen: 35.860 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062691.D
 Acq: 21 May 2019 19:03

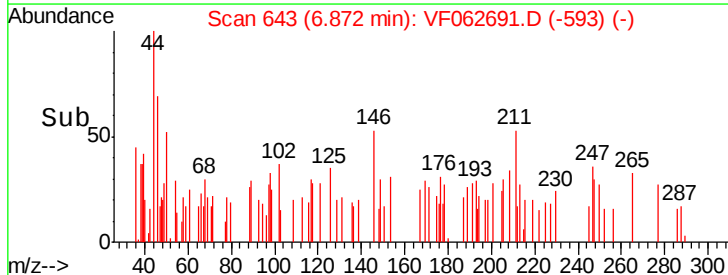
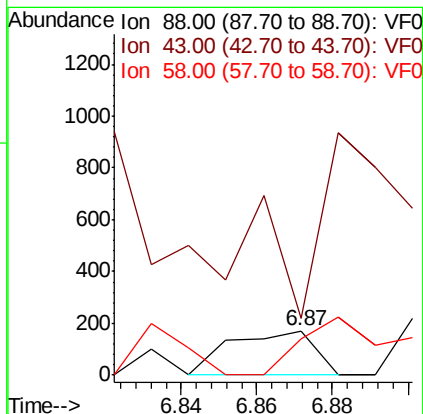
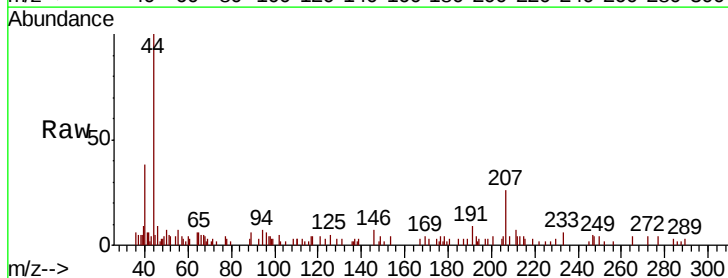
Instrument :
 MSVOA_F
 ClientSampleId :

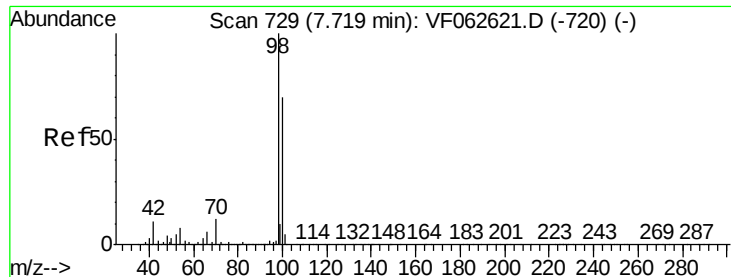
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.9	79.4	119.2
192	19.5	13.4	20.2



#49
 1,4-Dioxane
 Concen: 5.771 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: VF062691.D
 Acq: 21 May 2019 19:03

Tgt Ion	Ratio	Lower	Upper
88	100		
43	127.6	30.0	45.0#
58	81.8	51.1	76.7#





#50

Toluene-d8

Concen: 30.206 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062691.D

Acq: 21 May 2019 19:03

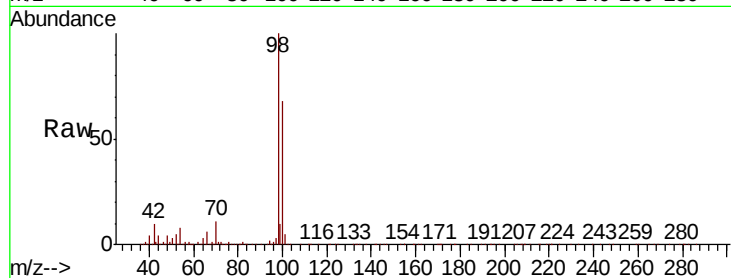
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 693092

Ion Ratio Lower Upper

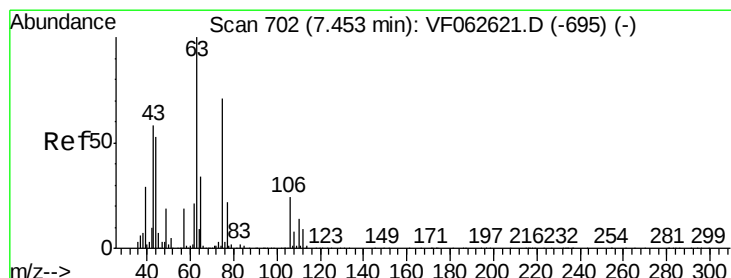
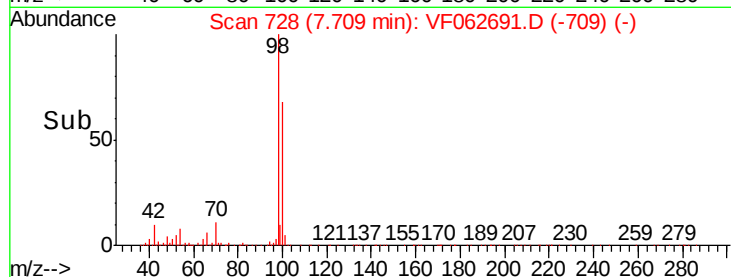
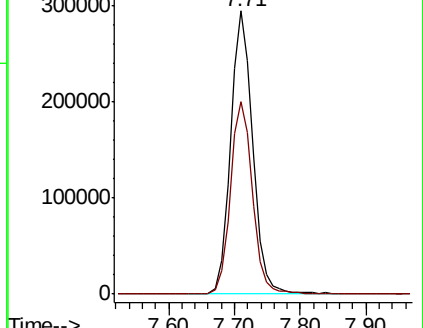
98 100

100 68.1 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#58

2-Chloroethyl Vinyl ether

Concen: 1.066 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062691.D

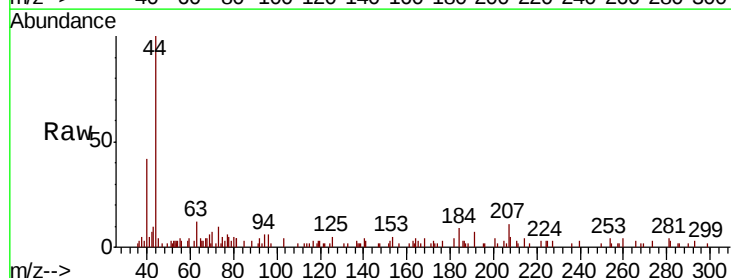
Acq: 21 May 2019 19:03

Tgt Ion: 63 Resp: 2250

Ion Ratio Lower Upper

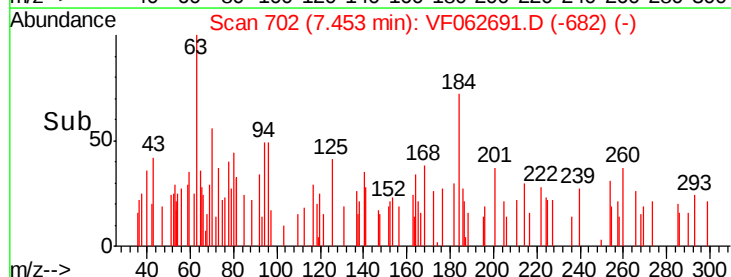
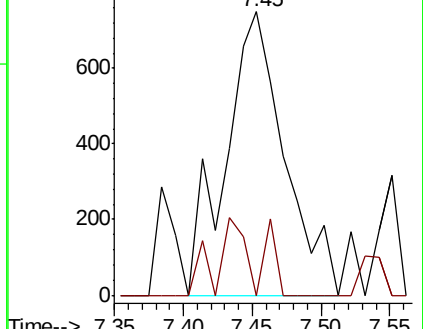
63 100

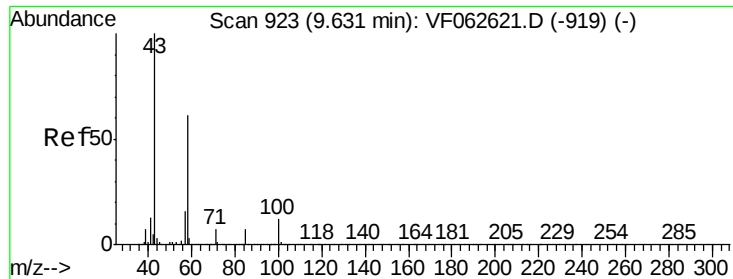
106 0.0 19.1 28.7#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

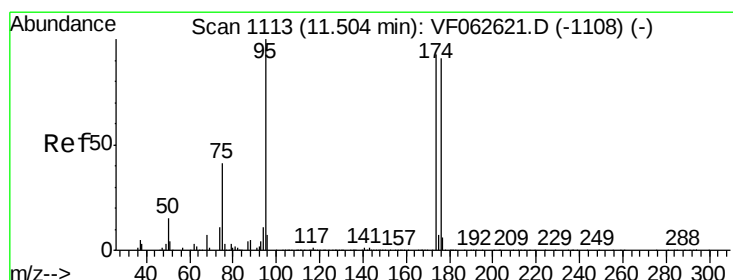
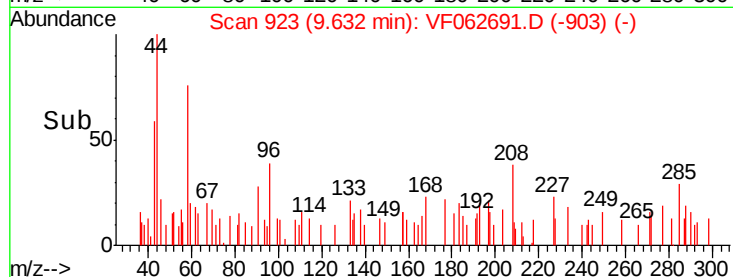
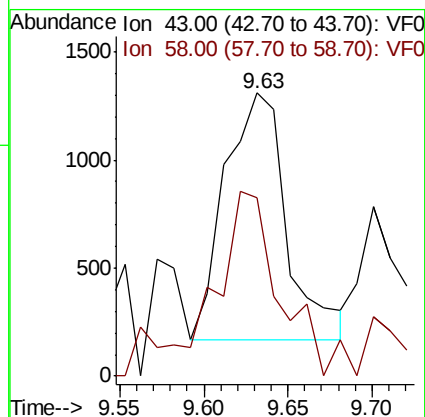
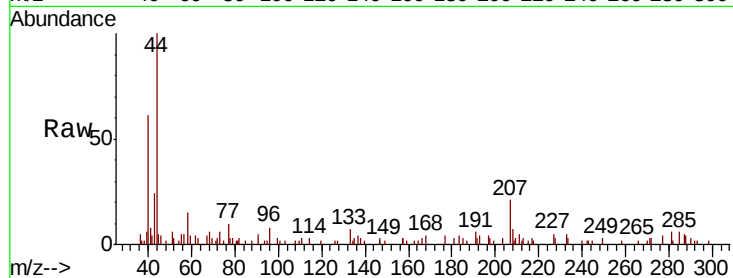




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

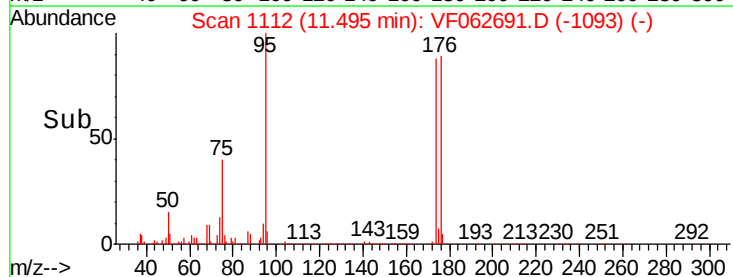
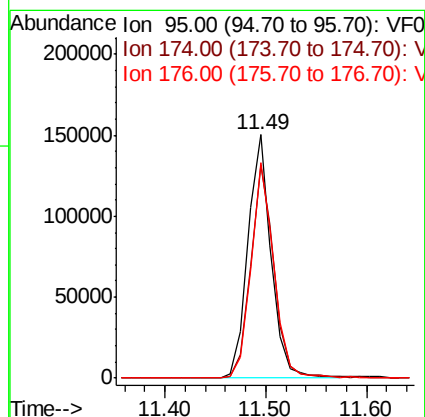
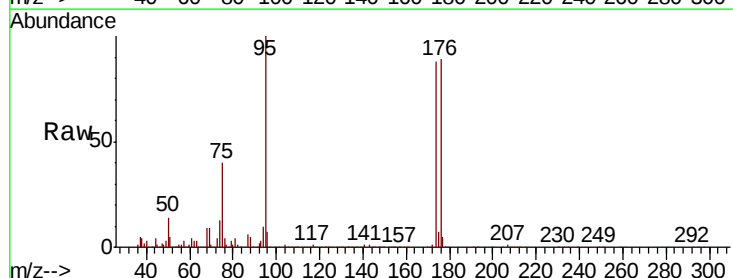
Instrument :
MSVOA_F
ClientSampled :

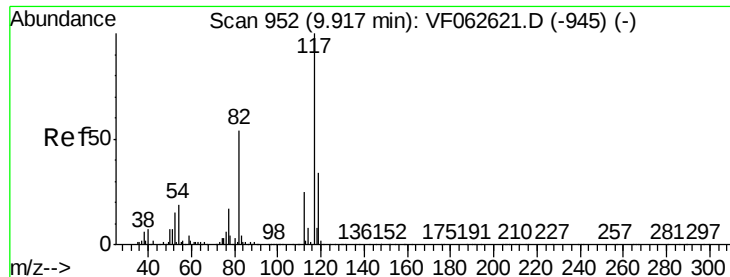
Tot Ion: 43 Resp: 2932
Ion Ratio Lower Upper
43 100
58 62.8 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 27.805 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion: 95 Resp: 241976
Ion Ratio Lower Upper
95 100
174 87.7 0.0 185.6
176 88.6 0.0 182.4

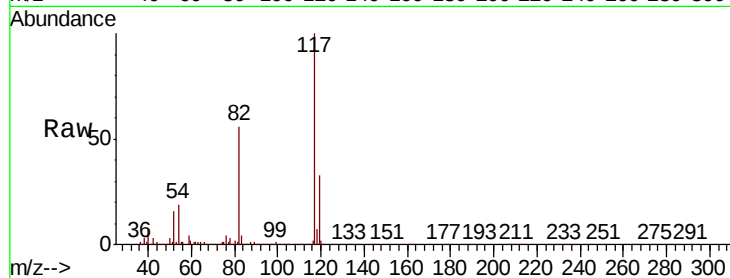




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	43.3	64.9
119	33.3	27.4	41.0

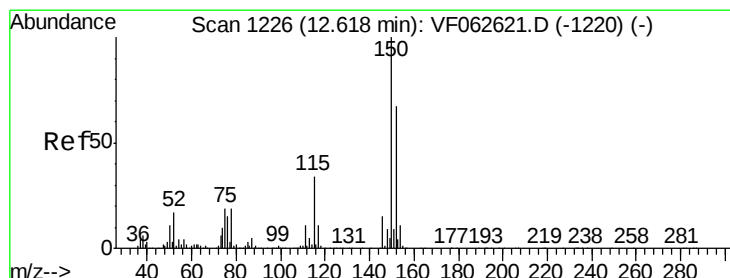
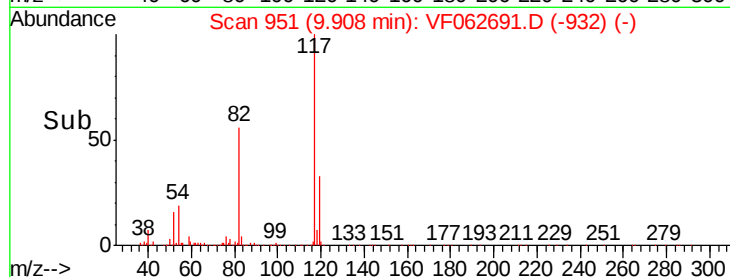
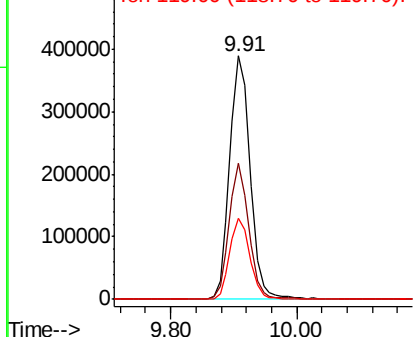


Abundance

Ion 117.00 (116.70 to 117.70): V

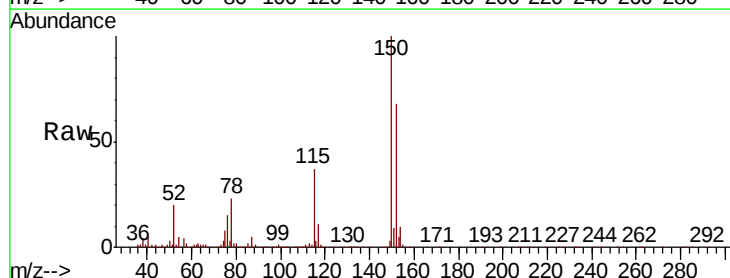
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062691.D
Acq: 21 May 2019 19:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.2	75.6
150	146.8	0.0	306.2

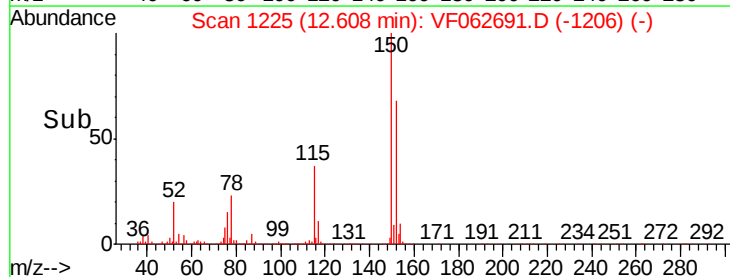
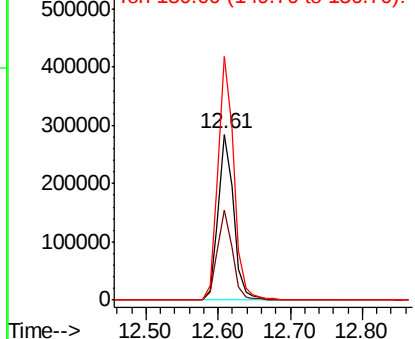


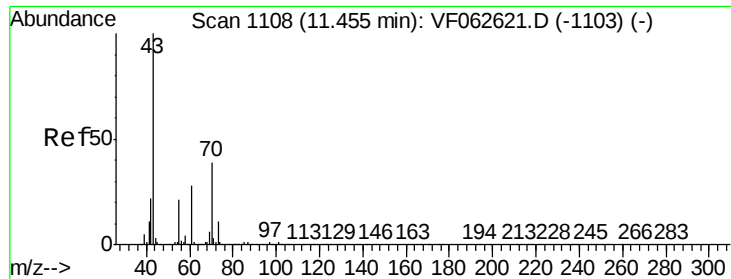
Abundance

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-amvl acetate
 Concen: Below Cal
 RT: 11.45 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VF062691.D
 Acq: 21 May 2019 19:03

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:	43	Resp:	678
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.9	46.3#
55	18.7	17.0	25.4
61	32.9	22.6	34.0

