

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062698.D
 Acq On : 22 May 2019 11:34
 Operator : FY/SY
 Sample : VF0522SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 23 01:20:28 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	5.05	168	819399	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1331800	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	988898	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	475372	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	286811	49.53	ug/l	-0.01
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	4.30	113	544602	53.44	ug/l	-0.02
Spiked Amount			Recovery	=	106.88%	
50) Toluene-d8	7.70	98	1139785	46.84	ug/l	-0.02
Spiked Amount			Recovery	=	93.68%	
62) 4-Bromofluorobenzene	11.48	95	393977	42.69	ug/l	-0.02
Spiked Amount			Recovery	=	85.38%	

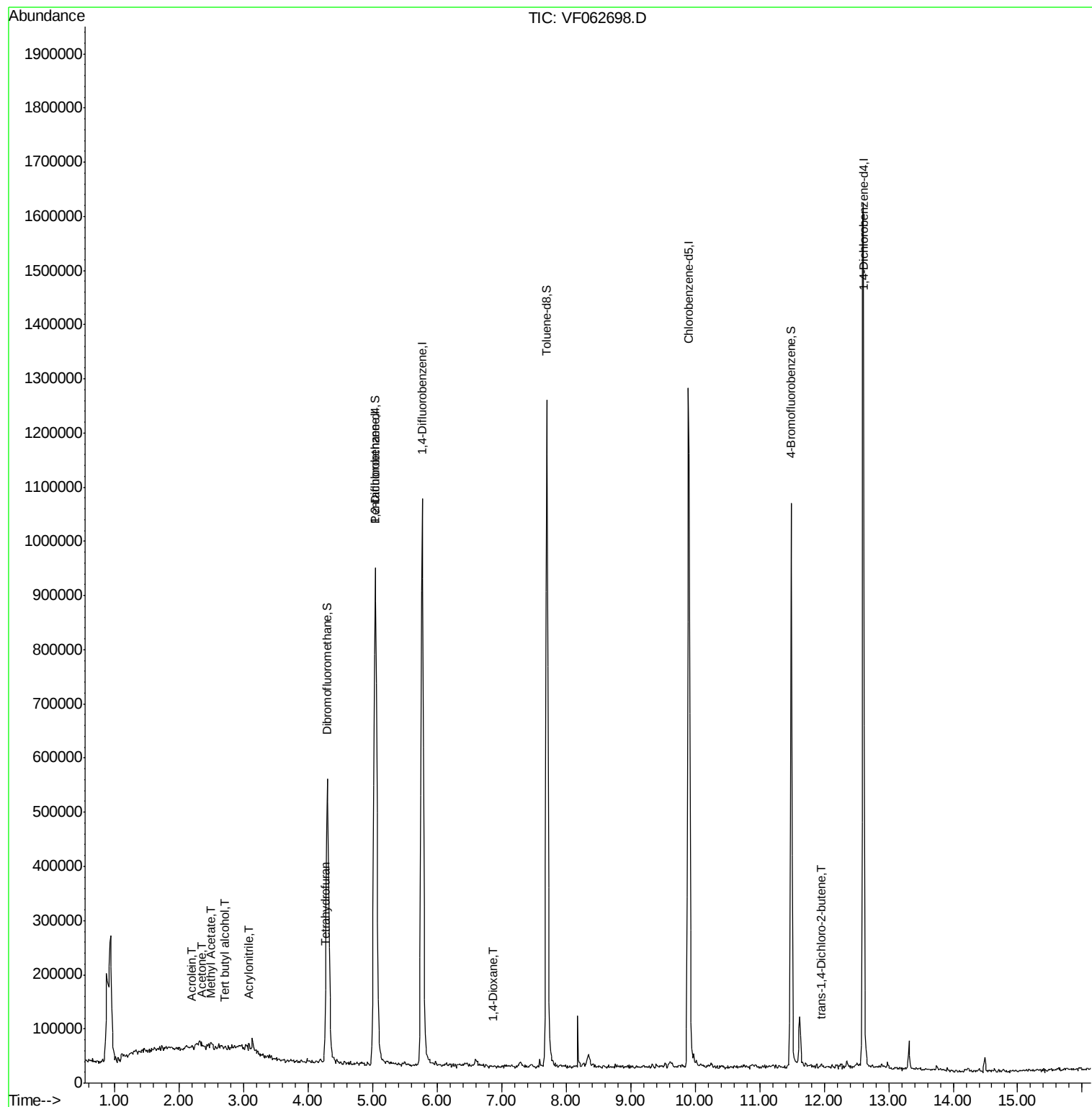
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	2166	5.666	ug/l #	1
13) Acrolein	2.20	56	854	2.140	ug/l	89
15) Acrylonitrile	3.09	53	1631	1.513	ug/l #	59
16) Acetone	2.35	43	3684	2.452	ug/l #	87
18) Methyl Acetate	2.48	43	6052	2.564	ug/l #	63
29) Tetrahydrofuran	4.26	42	2574	1.982	ug/l #	30
49) 1,4-Dioxane	6.86	88	326	6.746	ug/l #	51
59) 2-Hexanone	9.63	43	7679	Below Cal		75
74) N-amyl acetate	11.44	43	3970	Below Cal		92
81) trans-1,4-Dichloro-2-buten	11.95	75	2067	1.016	ug/l #	44

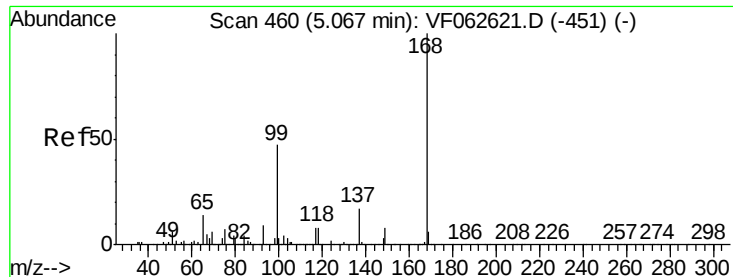
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\
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Acq On : 22 May 2019 11:34
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Misc : 5.00µg/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: May 23 01:20:28 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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062698.D

Acq: 22 May 2019 11:34

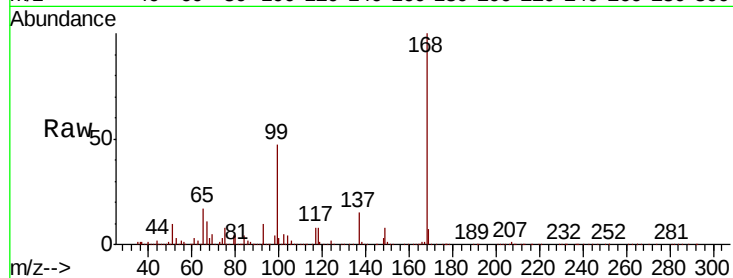
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 819399

Ion Ratio Lower Upper

168 100

99 46.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

300000

250000

200000

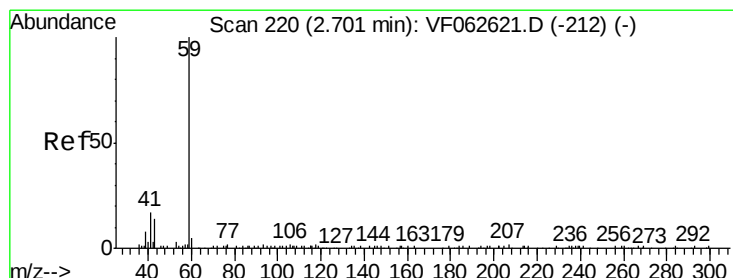
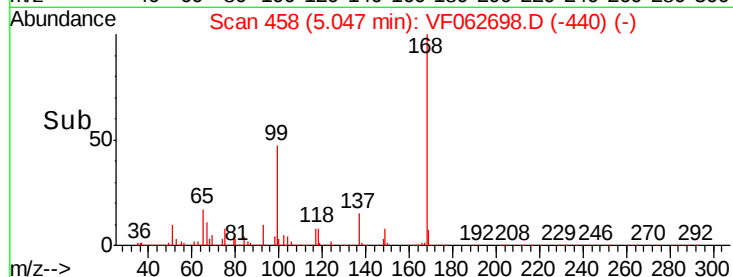
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#11

Tert butyl alcohol

Concen: 5.666 ug/l

RT: 2.70 min Scan# 220

Delta R.T. -0.00 min

Lab File: VF062698.D

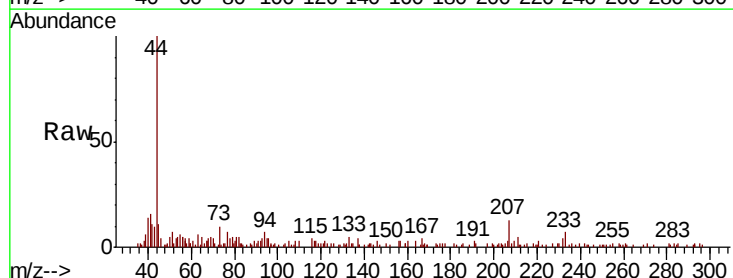
Acq: 22 May 2019 11:34

Tgt Ion: 59 Resp: 2166

Ion Ratio Lower Upper

59 100

57 113.8 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

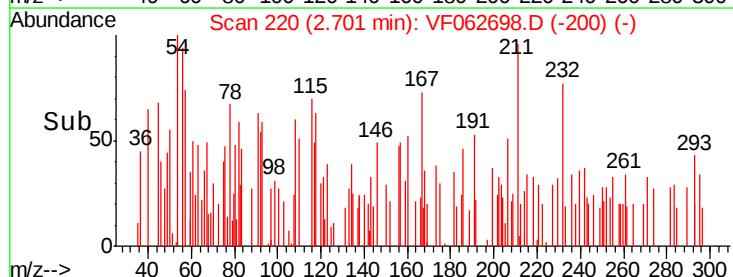
600

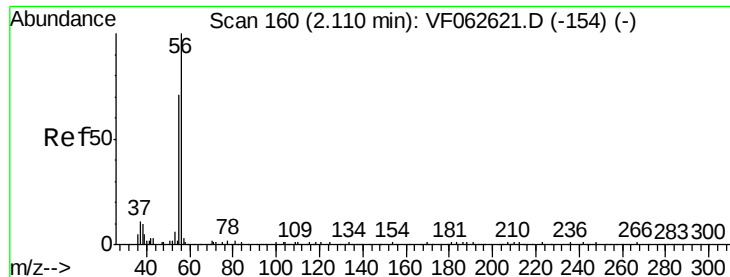
400

200

0

Time--> 2.60 2.65 2.70 2.75

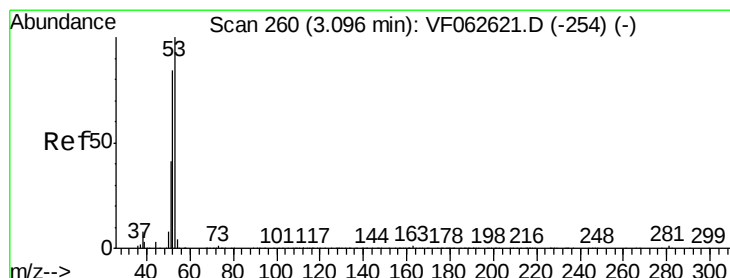
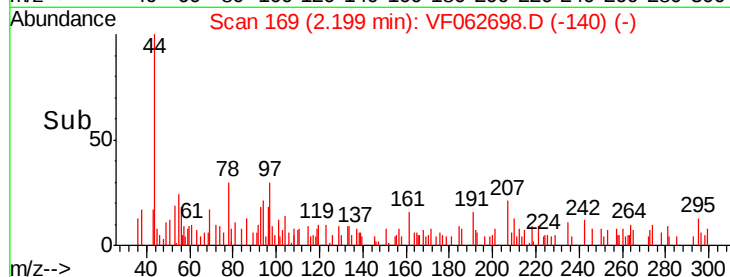
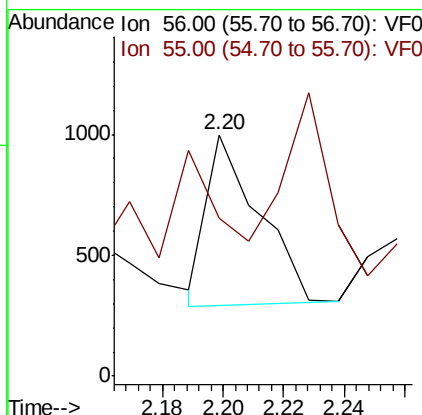
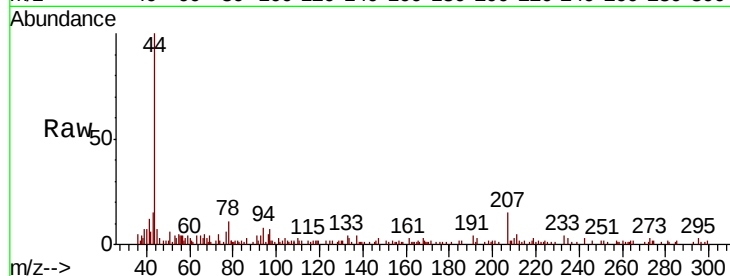




#13
Acrolein
Concen: 2.140 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.09 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

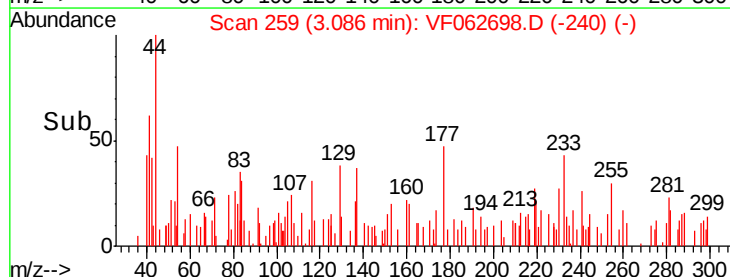
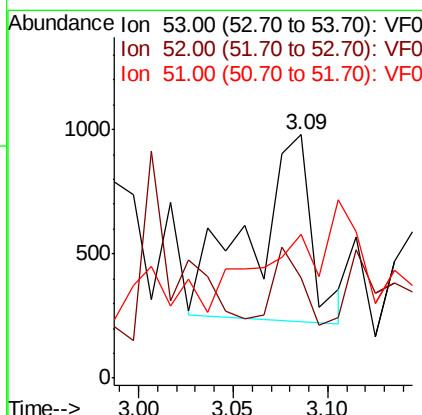
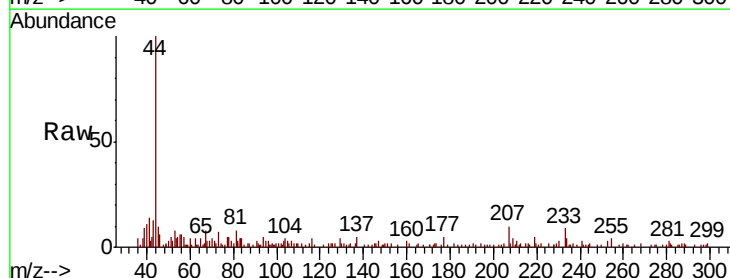
Instrument :
MSVOA_F
ClientSampleId :

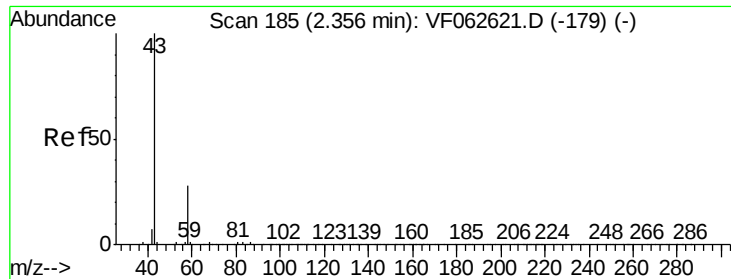
Tot Ion: 56 Resp: 854
Ion Ratio Lower Upper
56 100
55 65.2 59.4 89.0



#15
Acrylonitrile
Concen: 1.513 ug/l
RT: 3.09 min Scan# 259
Delta R.T. -0.01 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

Tgt Ion: 53 Resp: 1631
Ion Ratio Lower Upper
53 100
52 41.2 67.3 100.9#
51 59.3 33.0 49.6#

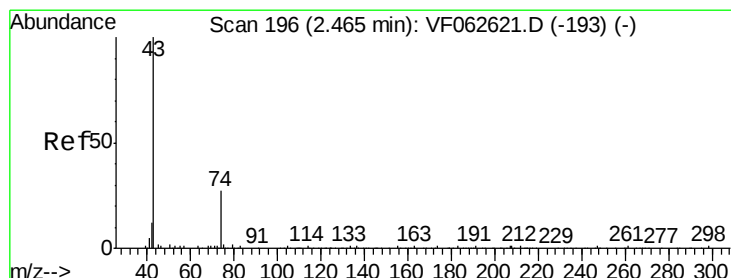
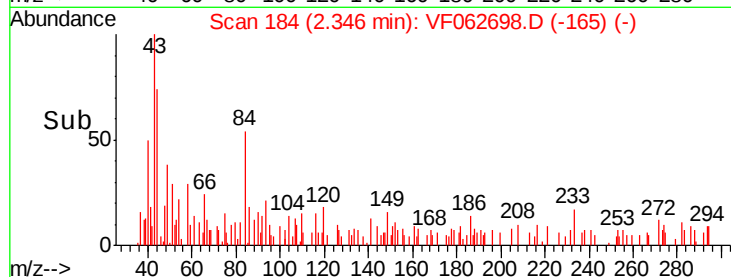
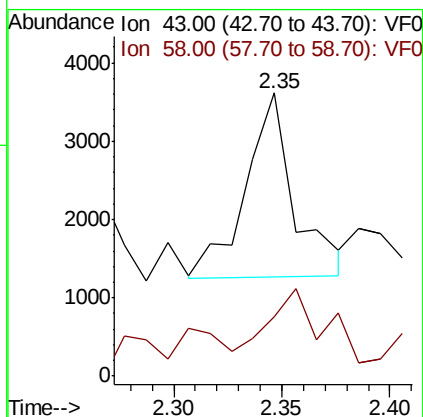
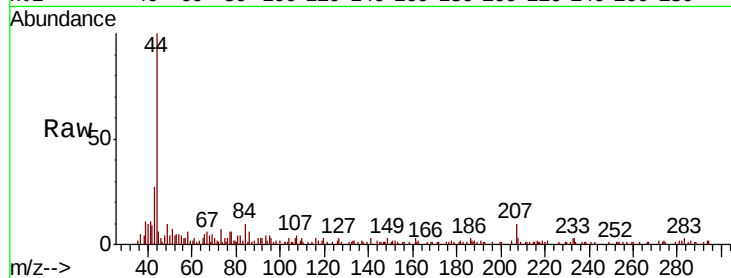




#16
Acetone
Concen: 2.452 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

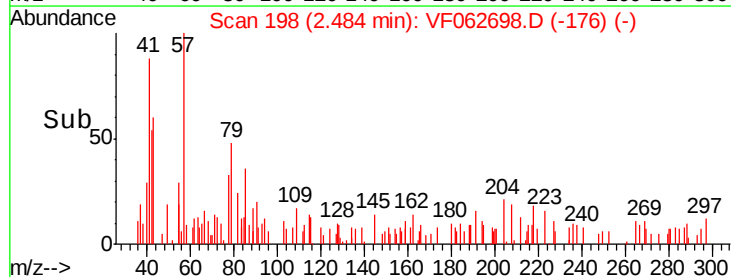
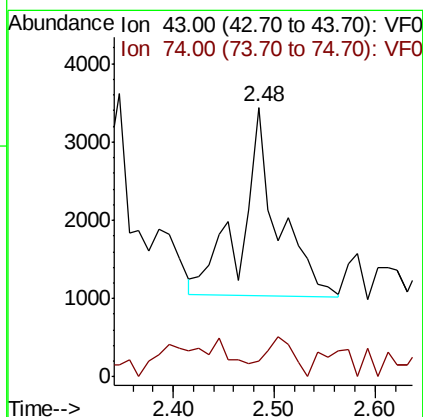
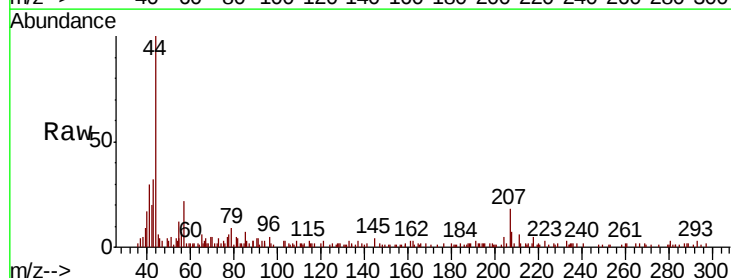
Instrument :
MSVOA_F
ClientSampled :

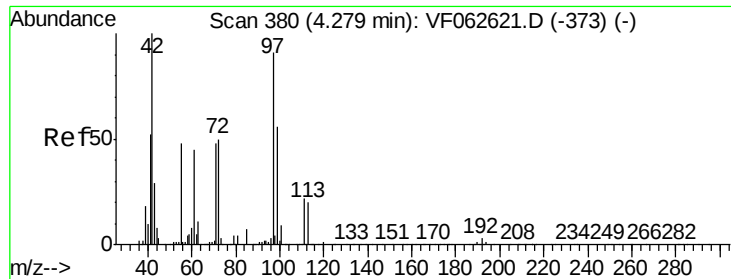
Tot Ion: 43 Resp: 3684
Ion Ratio Lower Upper
43 100
58 21.1 22.6 33.8#



#18
Methyl Acetate
Concen: 2.564 ug/l
RT: 2.48 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

Tgt Ion: 43 Resp: 6052
Ion Ratio Lower Upper
43 100
74 5.7 18.9 28.3#

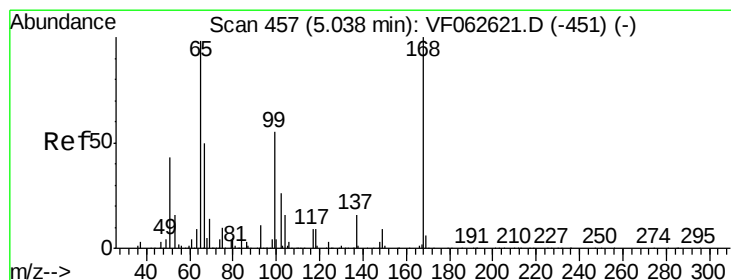
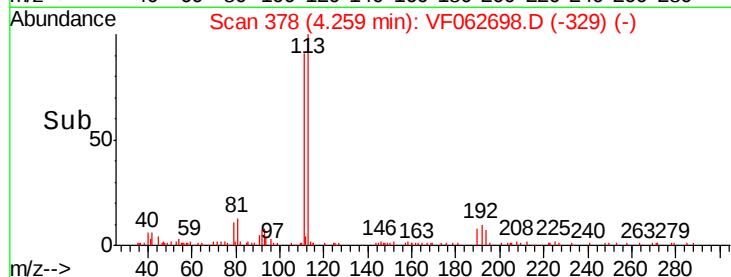
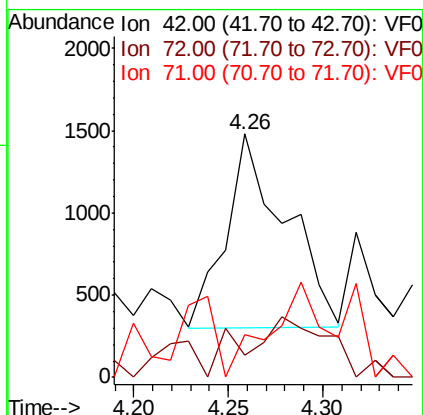
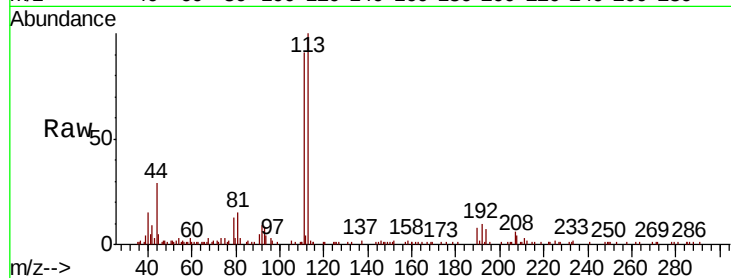




#29
Tetrahydrofuran
Concen: 1.982 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

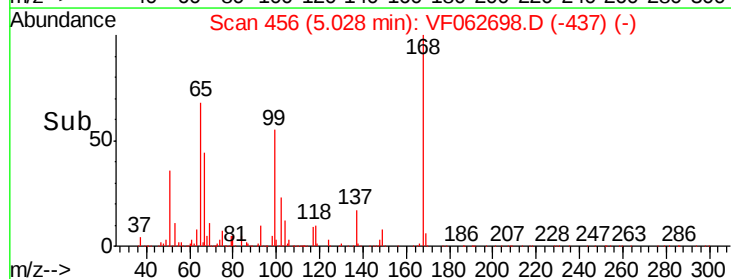
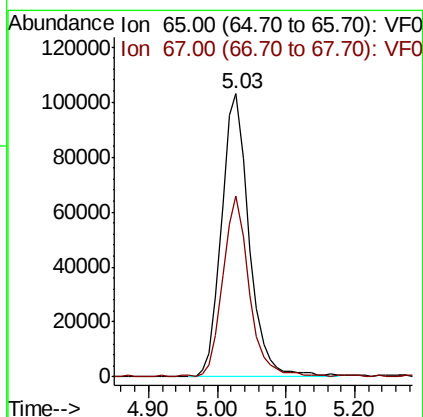
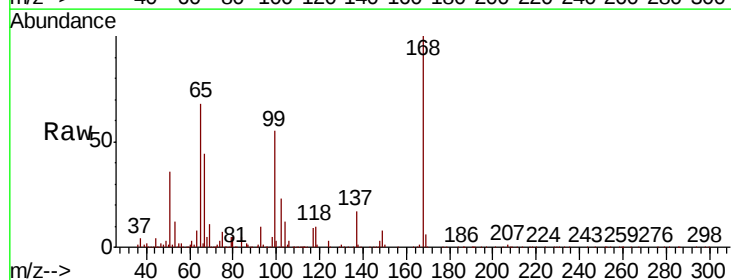
Instrument :
MSVOA_F
ClientSampleId :

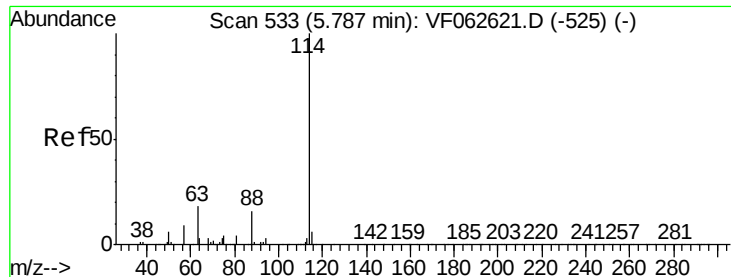
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.2	57.2#
71	0.0	35.8	53.6#



#33
1,2-Dichloroethane-d4
Concen: 49.533 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
65	100		
67	64.0	0.0	117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF062698.D

Acq: 22 May 2019 11:34

Instrument :

MSVOA_F

ClientSampleId :

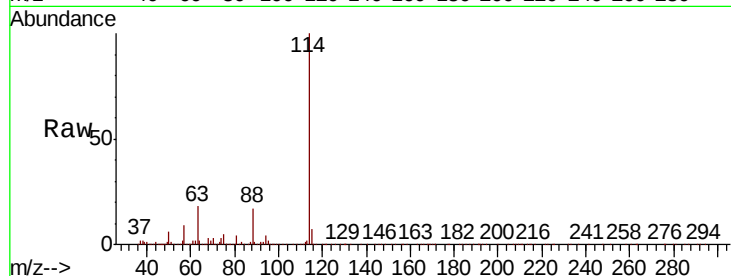
Tot Ion:114 Resp: 1331800

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

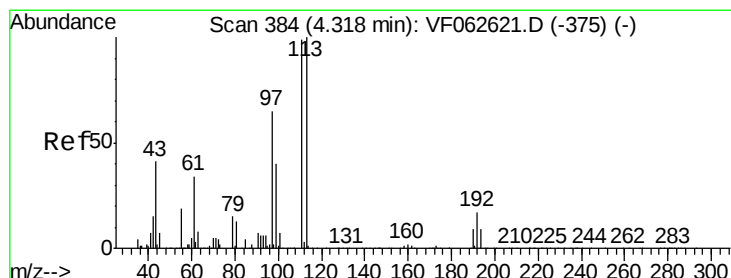
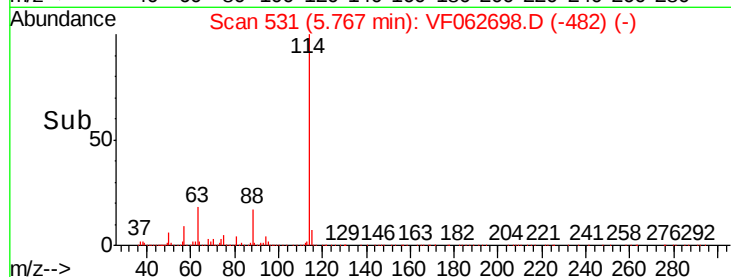
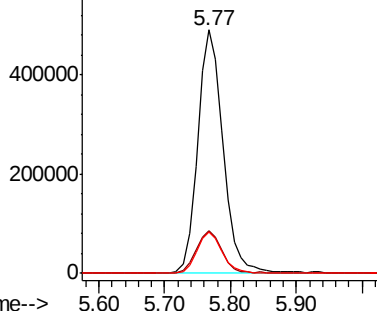
88 17.2 0.0 32.4



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



#35

Dibromofluoromethane

Concen: 53.440 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062698.D

Acq: 22 May 2019 11:34

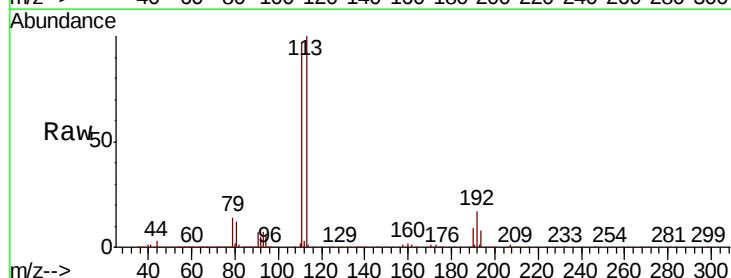
Tgt Ion:113 Resp: 544602

Ion Ratio Lower Upper

113 100

111 96.5 79.4 119.2

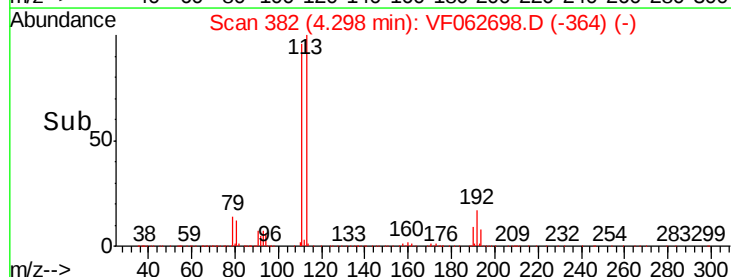
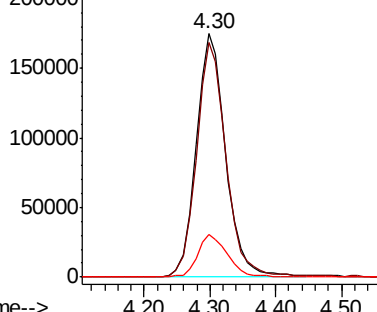
192 17.3 13.4 20.2

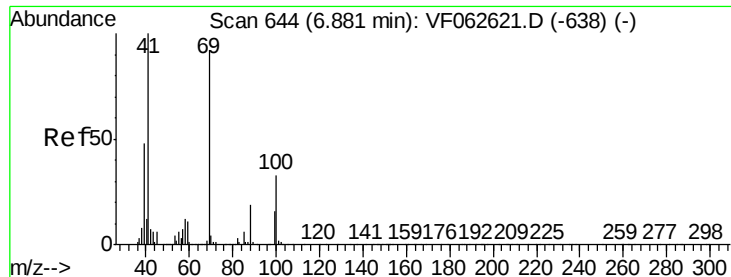


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

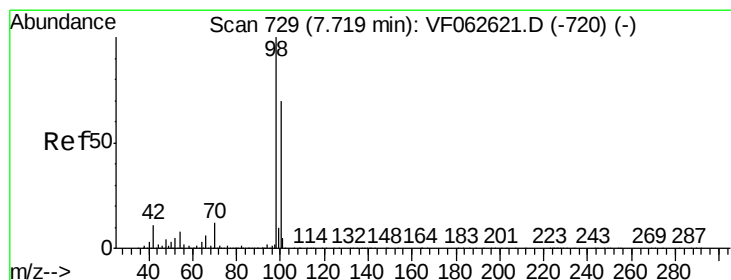
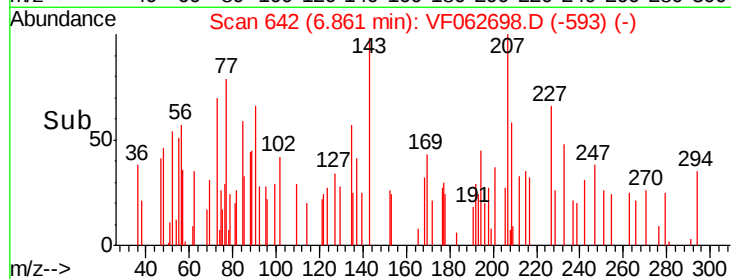
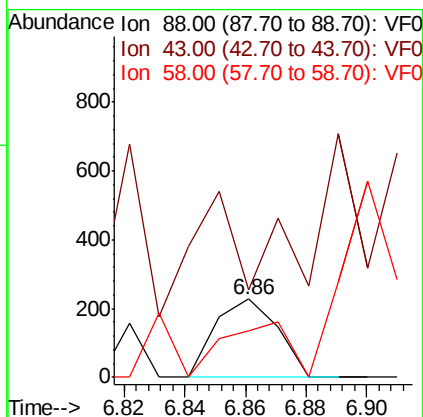
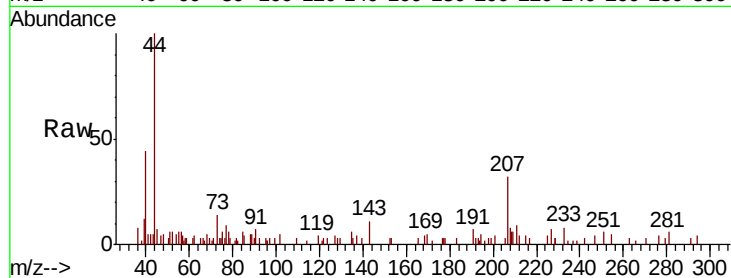




#49
1,4-Dioxane
Concen: 6.746 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

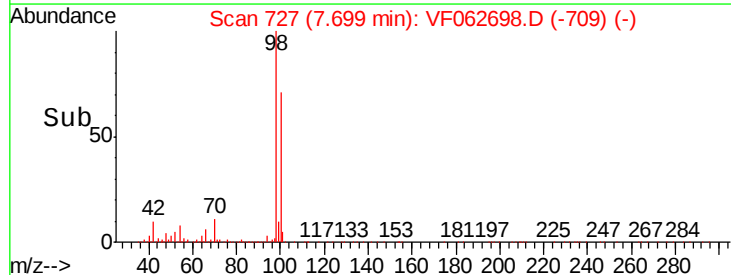
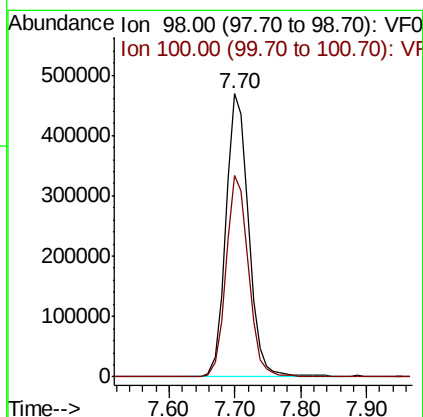
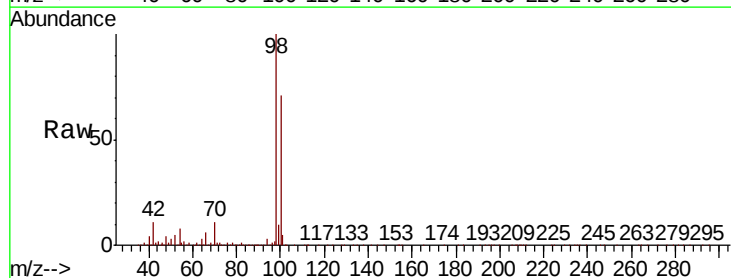
Instrument :
MSVOA_F
ClientSampleId :

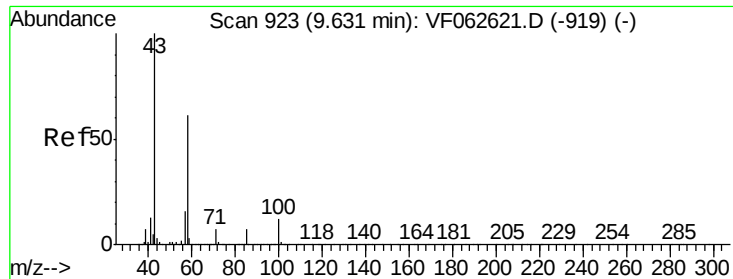
Tot Ion: 88 Resp: 326
Ion Ratio Lower Upper
88 100
43 112.8 30.0 45.0#
58 60.4 51.1 76.7



#50
Toluene-d8
Concen: 46.843 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

Tgt Ion: 98 Resp: 1139785
Ion Ratio Lower Upper
98 100
100 71.1 56.2 84.2

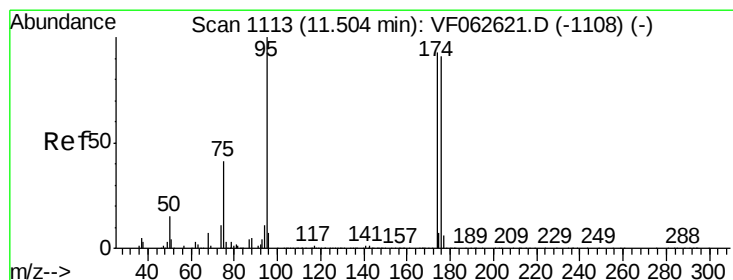
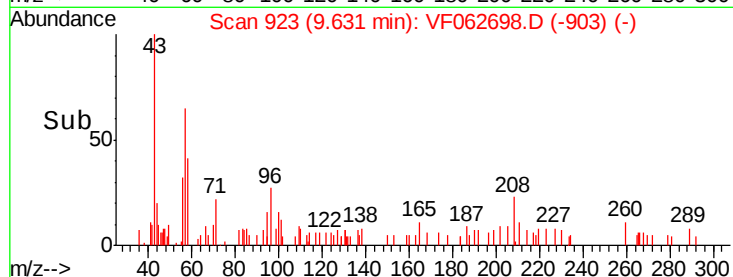
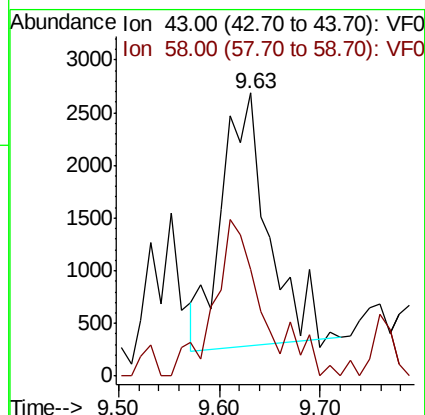
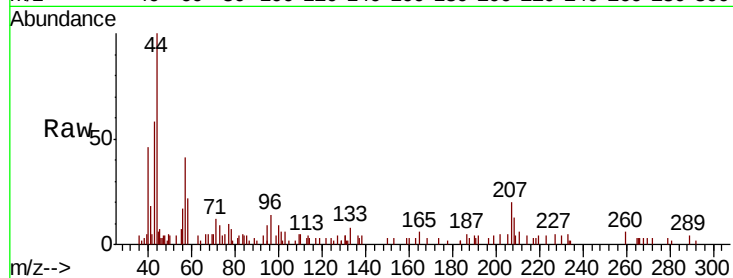




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

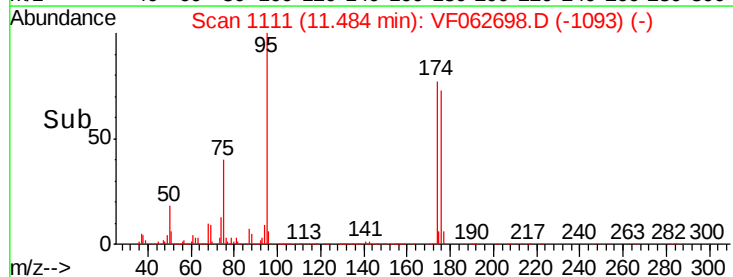
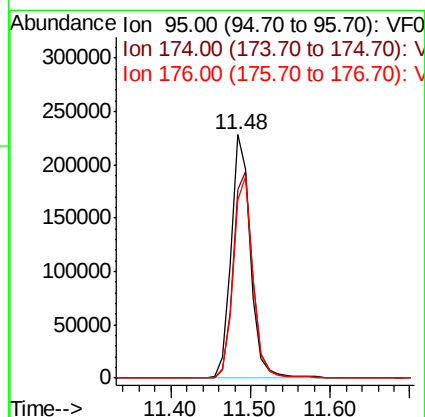
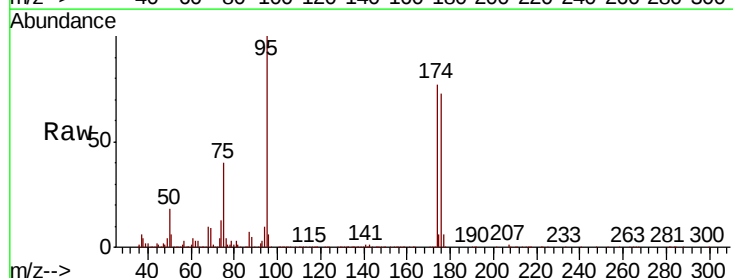
Instrument :
MSVOA_F
ClientSampleId :

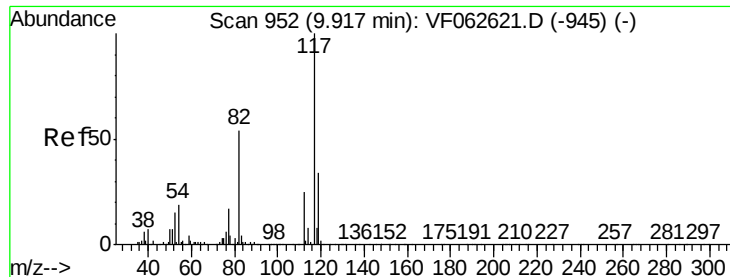
Tot Ion: 43 Resp: 7679
Ion Ratio Lower Upper
43 100
58 37.9 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 42.692 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

Tgt Ion: 95 Resp: 393977
Ion Ratio Lower Upper
95 100
174 77.4 0.0 185.6
176 73.2 0.0 182.4

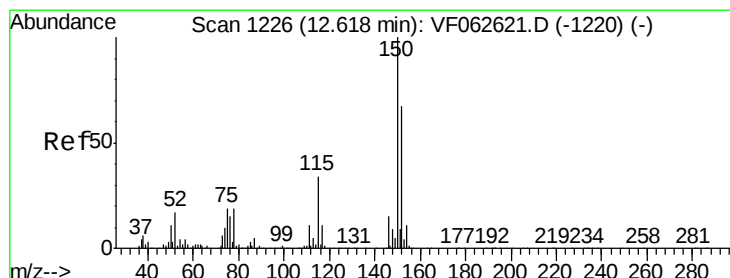
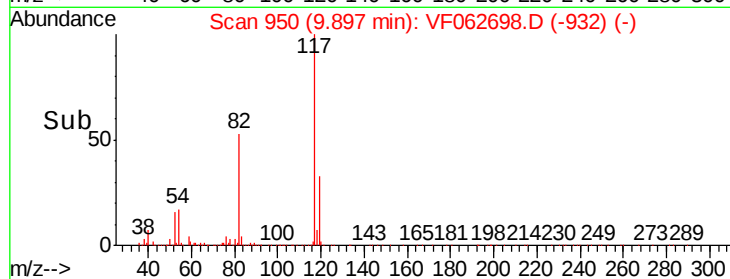
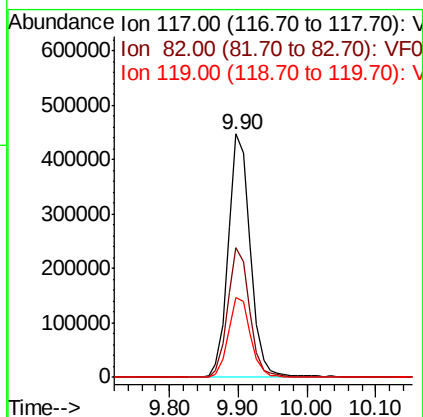
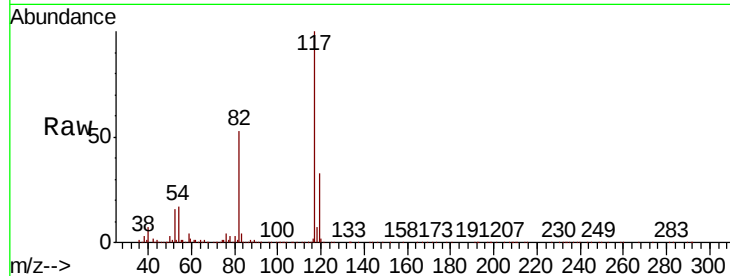




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

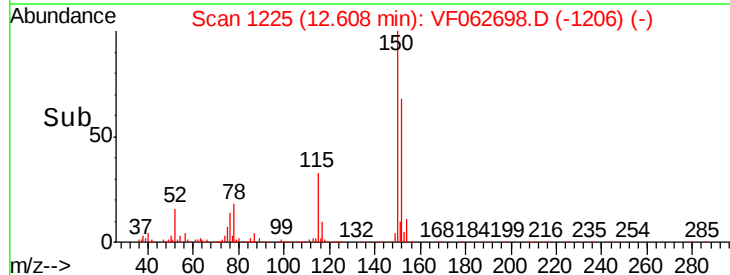
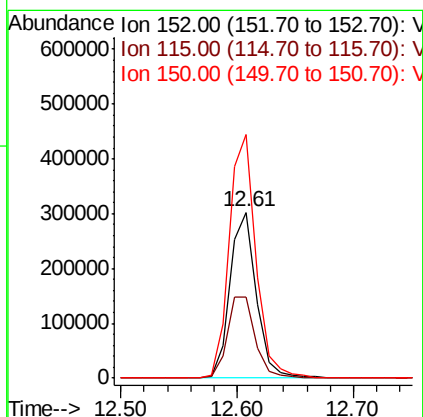
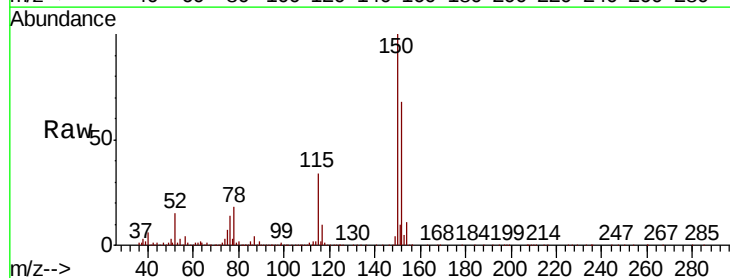
Instrument :
MSVOA_F
ClientSampled :

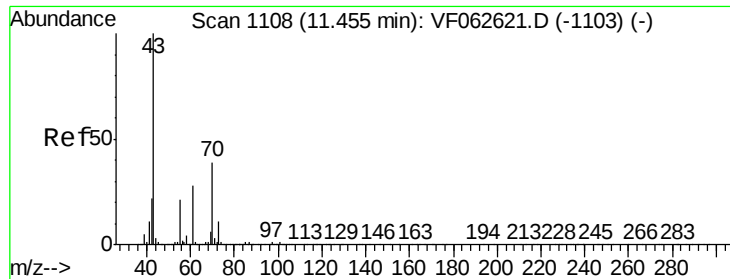
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.3	64.9
119	32.6	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062698.D
Acq: 22 May 2019 11:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.2	25.2	75.6
150	146.7	0.0	306.2





#74

N-amvl acetate

Concen: Below Cal

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF062698.D

Acq: 22 May 2019 11:34

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 3970

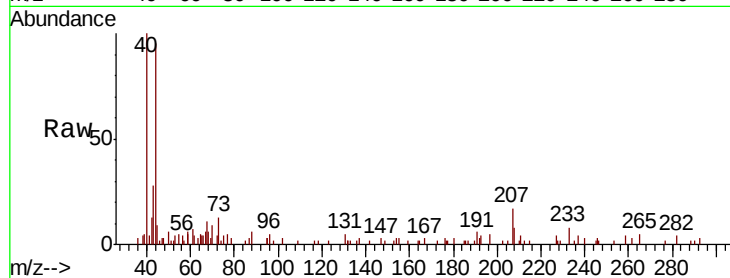
Ion Ratio Lower Upper

43 100

70 33.0 30.9 46.3

55 17.1 17.0 25.4

61 25.1 22.6 34.0

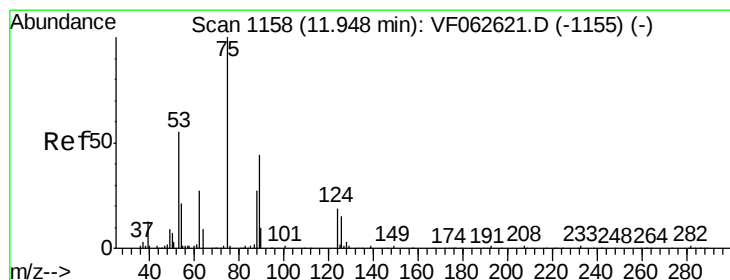
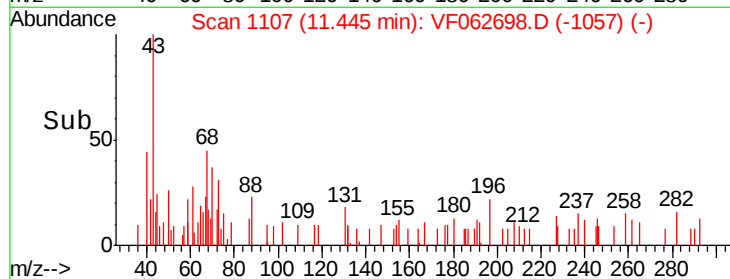
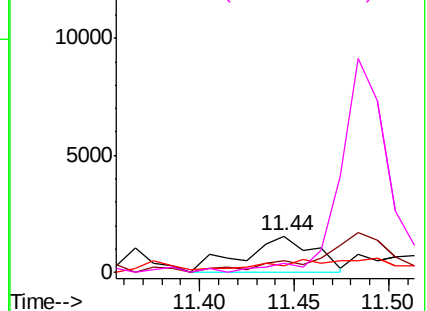


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#81

trans-1,4-Dichloro-2-butene

Concen: 1.016 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062698.D

Acq: 22 May 2019 11:34

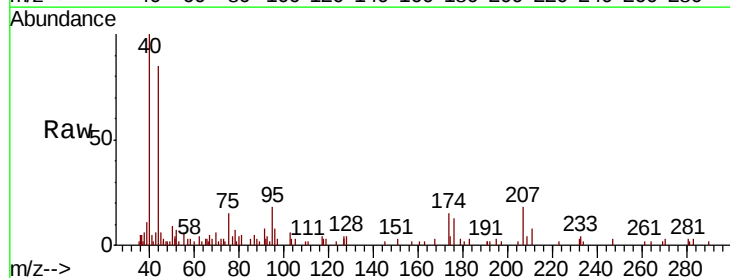
Tgt Ion: 75 Resp: 2067

Ion Ratio Lower Upper

75 100

53 12.0 46.9 70.3#

89 14.8 36.4 54.6#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

