

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
 Data File : VF062653.D
 Acq On : 20 May 2019 11:37
 Operator : FY/SY
 Sample : VF0520SBL01
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBL01

Quant Time: May 20 11:58:55 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	949512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1569780	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1121867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	562089	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	327703	48.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.68%	
35) Dibromofluoromethane	4.31	113	607921	50.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.22%	
50) Toluene-d8	7.71	98	1272508	44.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.74%	
62) 4-Bromofluorobenzene	11.49	95	488518	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	

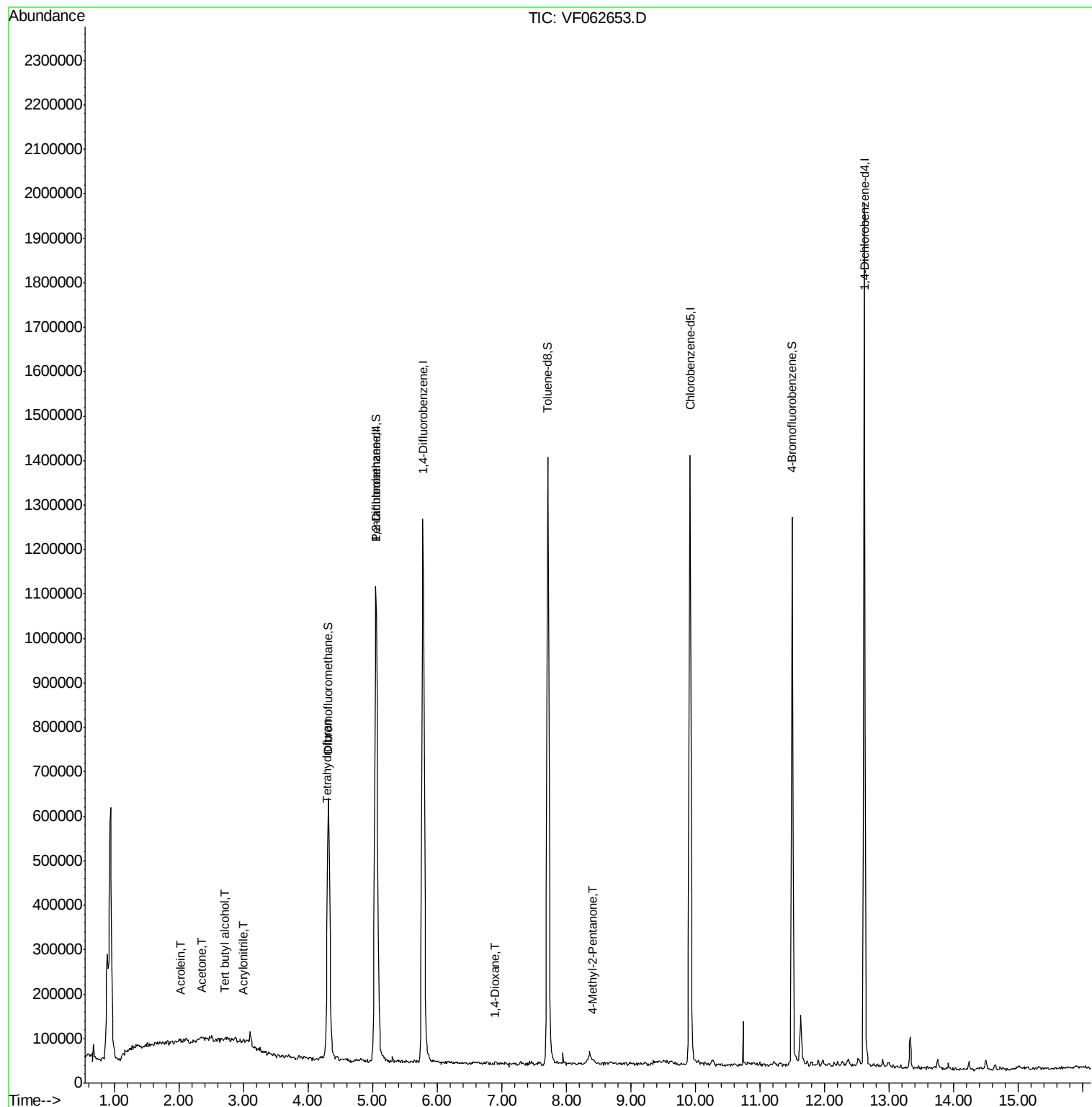
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1658	3.743	ug/l #	1
13) Acrolein	2.03	56	1533	3.315	ug/l	95
15) Acrylonitrile	3.01	53	1621	1.297	ug/l #	61
16) Acetone	2.36	43	3822	2.196	ug/l	100
29) Tetrahydrofuran	4.29	42	2584	1.717	ug/l #	77
49) 1,4-Dioxane	6.88	88	981	17.222	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	8171	1.405	ug/l #	61
59) 2-Hexanone	9.63	43	11981	Below Cal		91
74) N-amyl acetate	11.45	43	3649	Below Cal	#	83

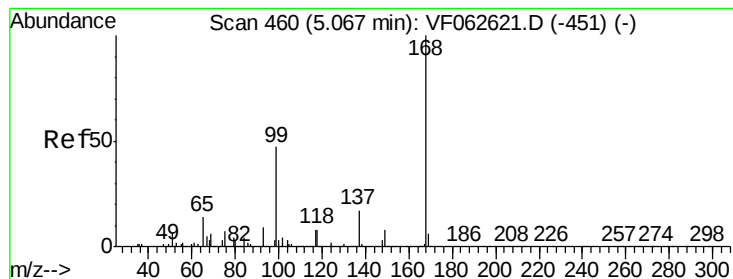
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
Data File : VF062653.D
Acq On : 20 May 2019 11:37
Operator : FY/SY
Sample : VF0520SBL01
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0520SBL01

Quant Time: May 20 11:58:55 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: VF062653.D

Acq: 20 May 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

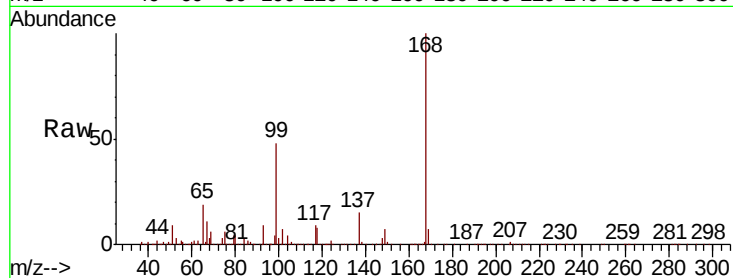
VF0520SBL01

Tgt Ion:168 Resp: 949512

Ion Ratio Lower Upper

168 100

99 48.0 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

300000

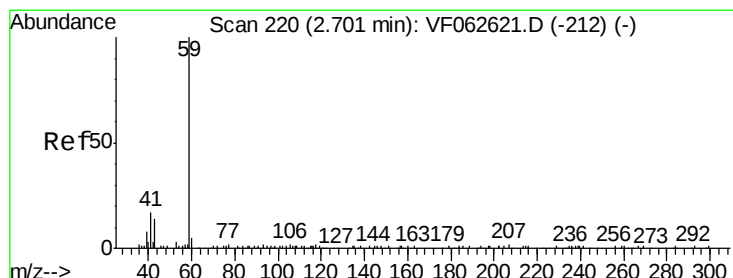
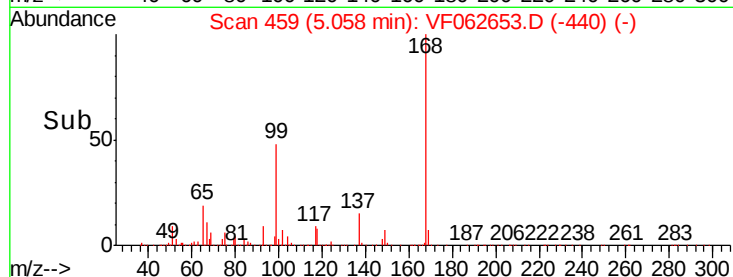
200000

100000

0

5.00 5.20

Time-->



#11

Tert butyl alcohol

Concen: 3.743 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF062653.D

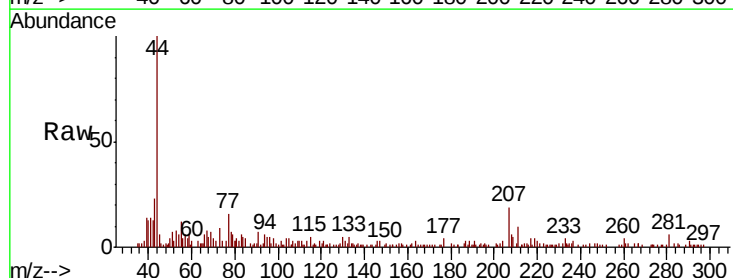
Acq: 20 May 2019 11:37

Tgt Ion: 59 Resp: 1658

Ion Ratio Lower Upper

59 100

57 78.8 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1500

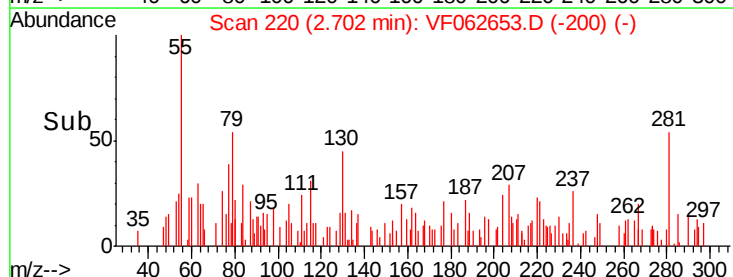
1000

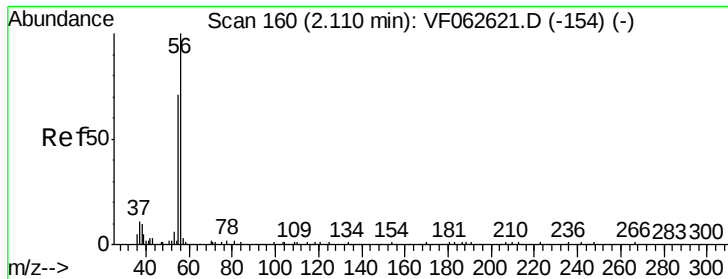
500

0

2.65 2.70 2.75

Time-->

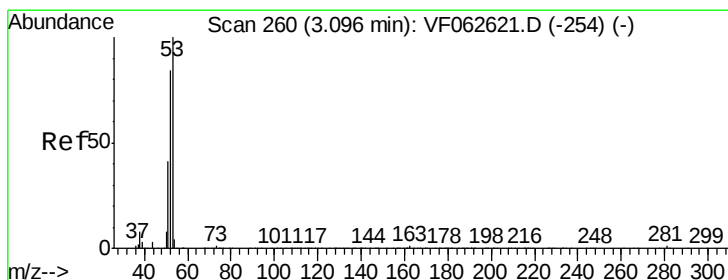
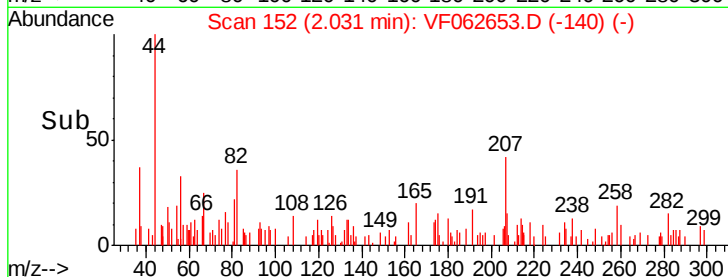
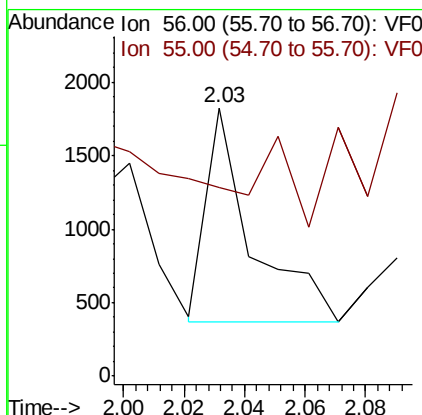
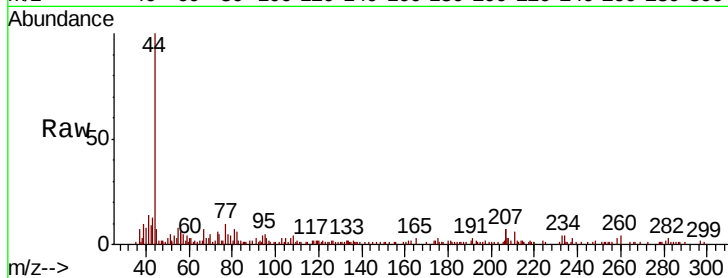




#13
Acrolein
Concen: 3.315 ug/l
RT: 2.03 min Scan# 152
Delta R.T. -0.08 min
Lab File: VF062653.D
Acq: 20 May 2019 11:37

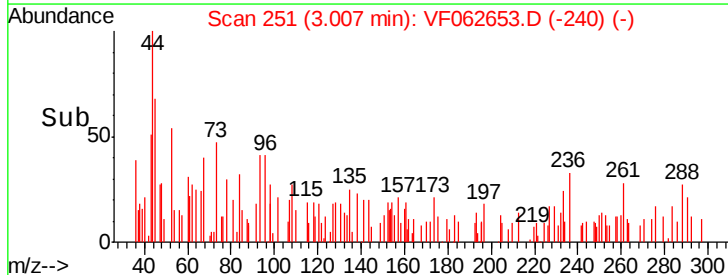
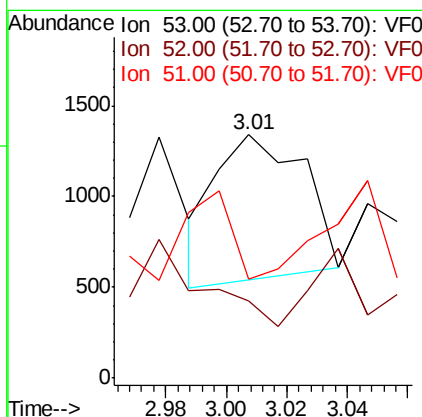
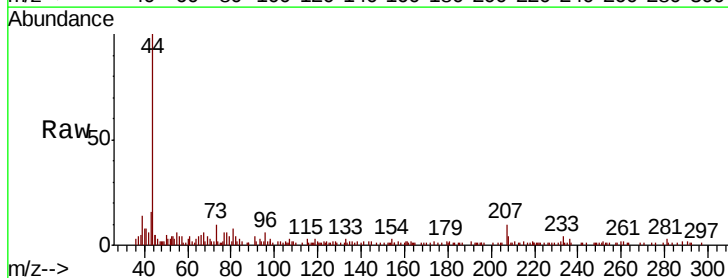
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBL01

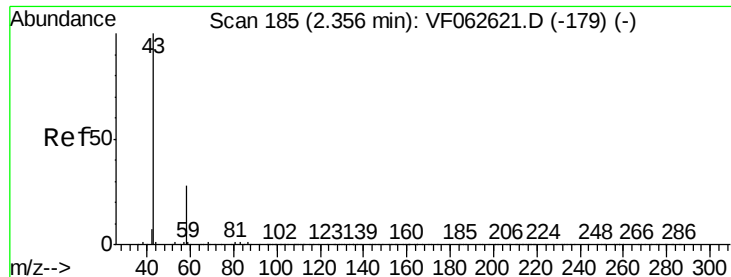
Tgt Ion: 56 Resp: 1533
Ion Ratio Lower Upper
56 100
55 70.1 59.4 89.0



#15
Acrylonitrile
Concen: 1.297 ug/l
RT: 3.01 min Scan# 251
Delta R.T. -0.09 min
Lab File: VF062653.D
Acq: 20 May 2019 11:37

Tgt Ion: 53 Resp: 1621
Ion Ratio Lower Upper
53 100
52 31.9 67.3 100.9#
51 40.6 33.0 49.6





#16

Acetone

Concen: 2.196 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062653.D

Acq: 20 May 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

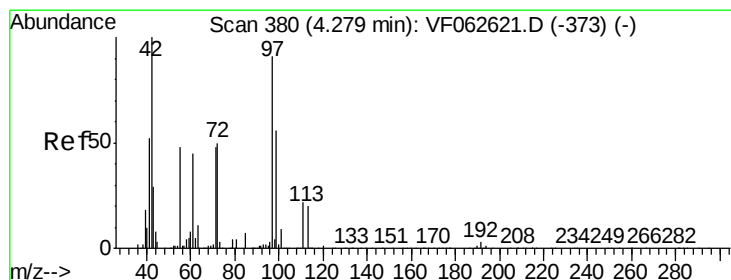
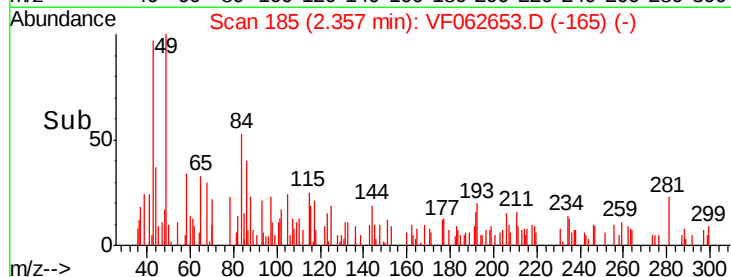
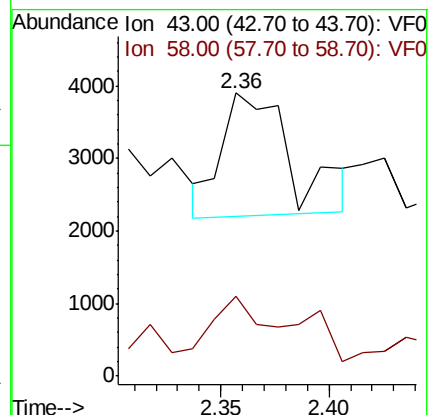
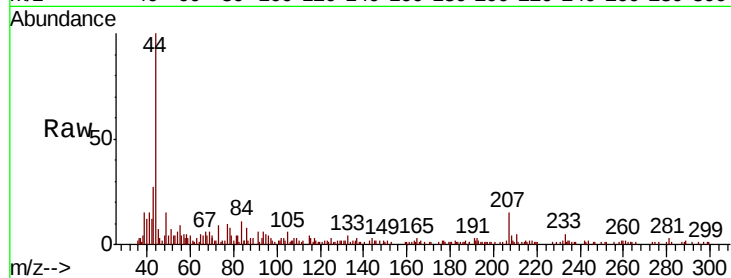
VF0520SBL01

Tgt Ion: 43 Resp: 3822

Ion Ratio Lower Upper

43 100

58 28.3 22.6 33.8



#29

Tetrahydrofuran

Concen: 1.717 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062653.D

Acq: 20 May 2019 11:37

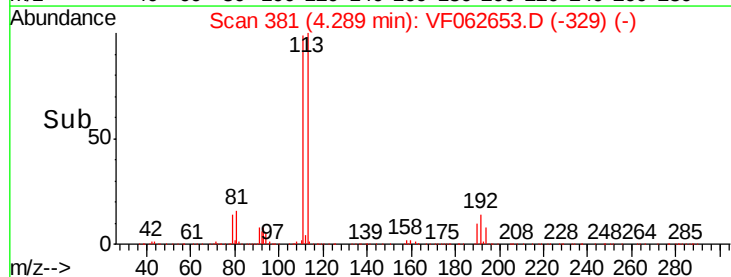
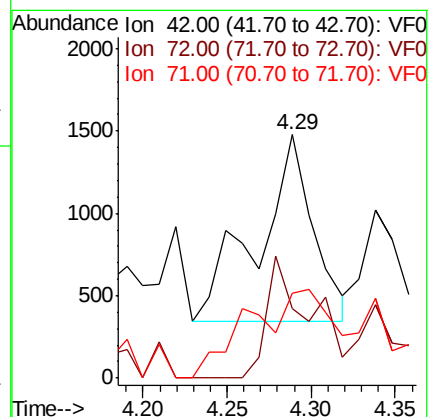
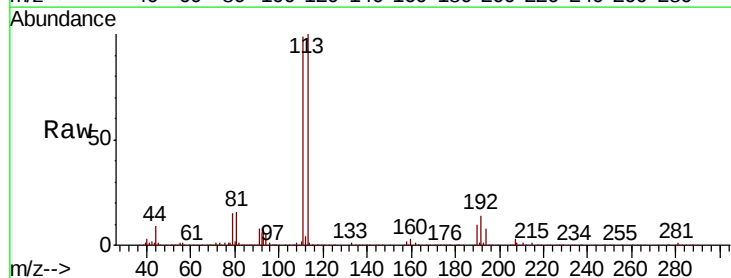
Tgt Ion: 42 Resp: 2584

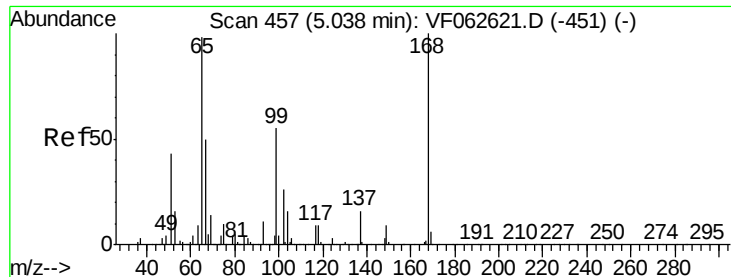
Ion Ratio Lower Upper

42 100

72 51.6 38.2 57.2

71 71.2 35.8 53.6#





#33

1,2-Dichloroethane-d4

Concen: 48.840 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062653.D

Acq: 20 May 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

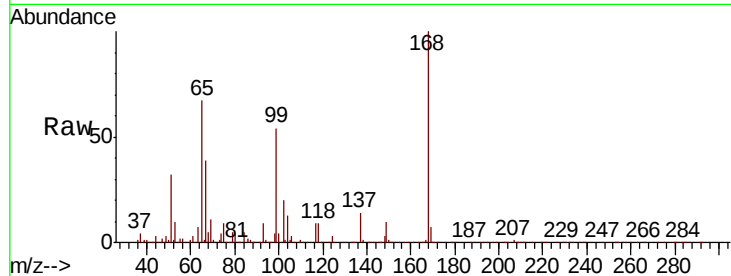
VF0520SBL01

Tgt Ion: 65 Resp: 327703

Ion Ratio Lower Upper

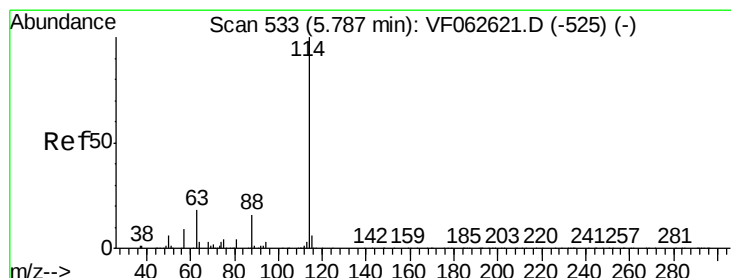
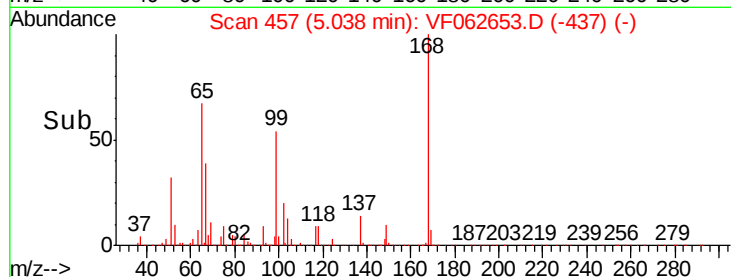
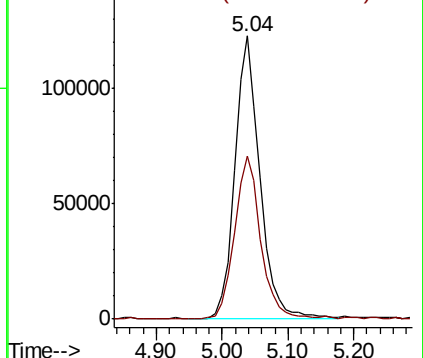
65 100

67 57.6 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062653.D

Acq: 20 May 2019 11:37

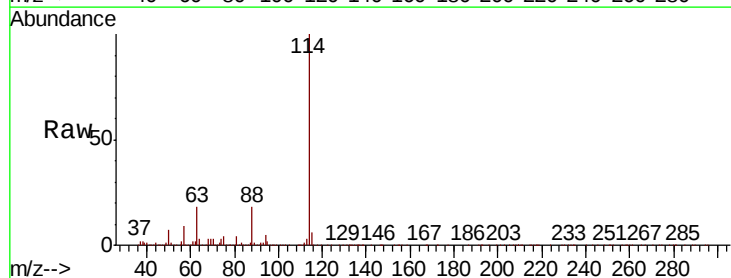
Tgt Ion: 114 Resp: 1569780

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.4

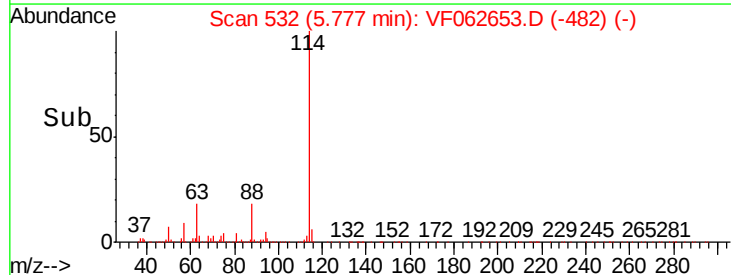
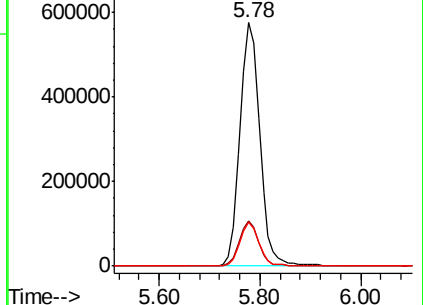
88 18.0 0.0 32.4

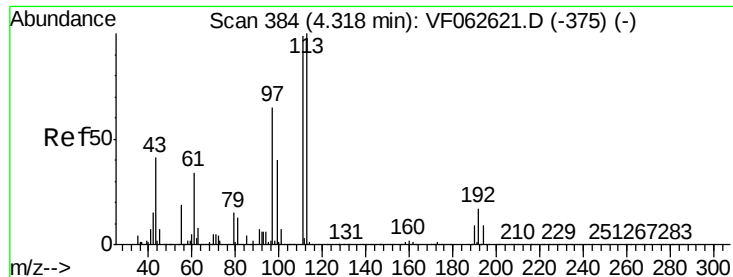


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

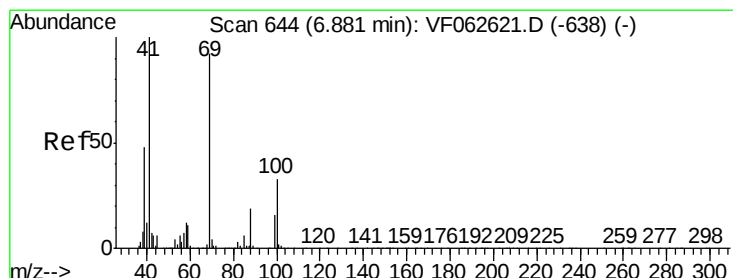
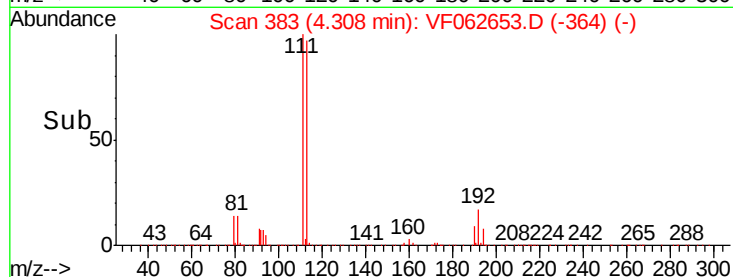
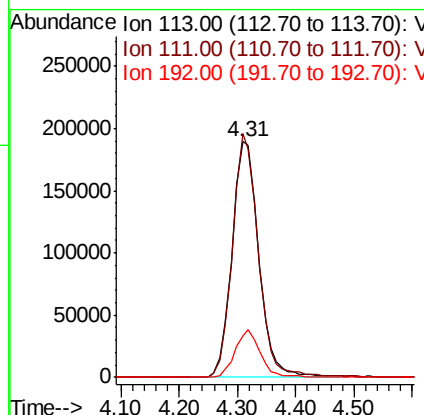
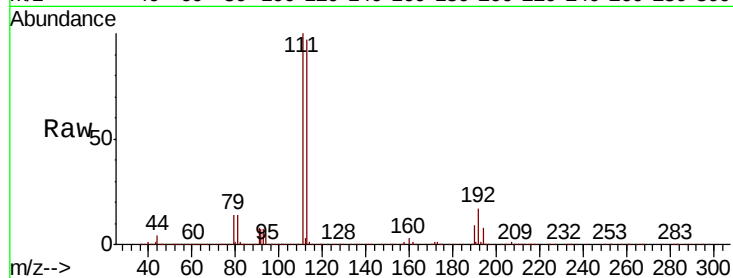




#35
 Dibromofluoromethane
 Concen: 50.609 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.01 min
 Lab File: VF062653.D
 Acq: 20 May 2019 11:37

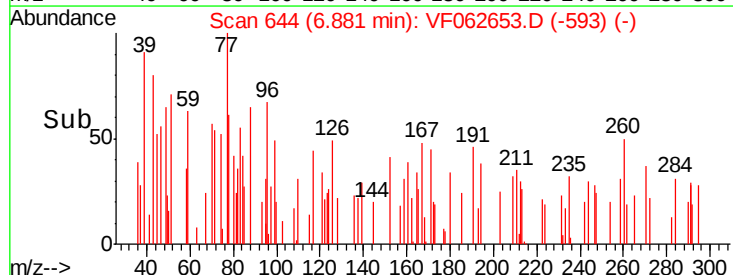
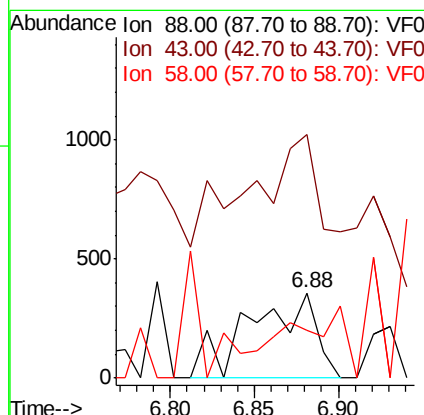
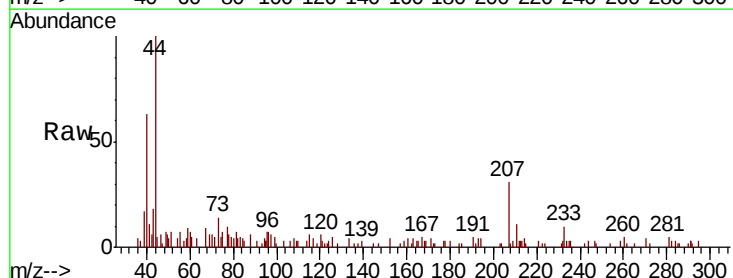
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBL01

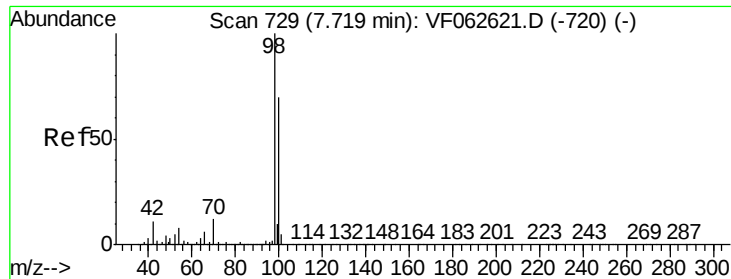
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	79.4	119.2
192	17.6	13.4	20.2



#49
 1,4-Dioxane
 Concen: 17.222 ug/l
 RT: 6.88 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VF062653.D
 Acq: 20 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
88	100		
43	286.3	30.0	45.0#
58	56.0	51.1	76.7





#50

Toluene-d8

Concen: 44.369 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062653.D

Acq: 20 May 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

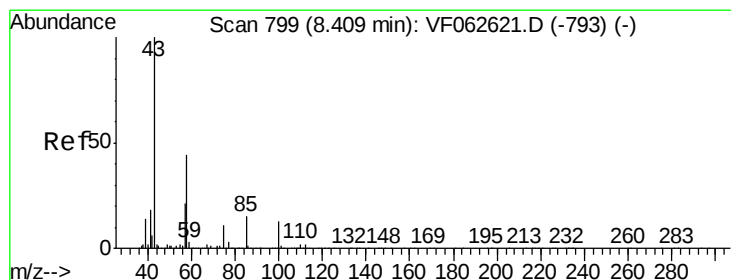
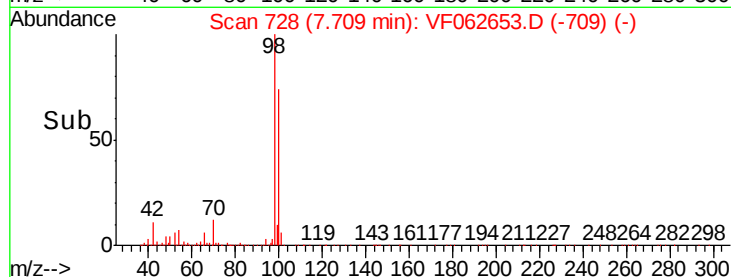
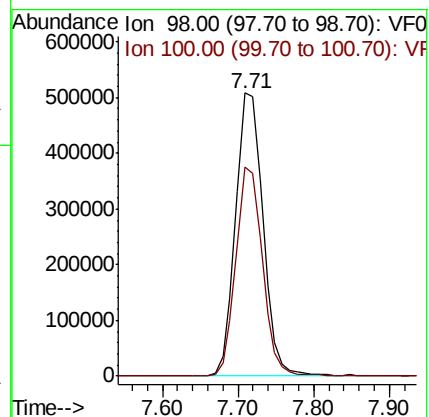
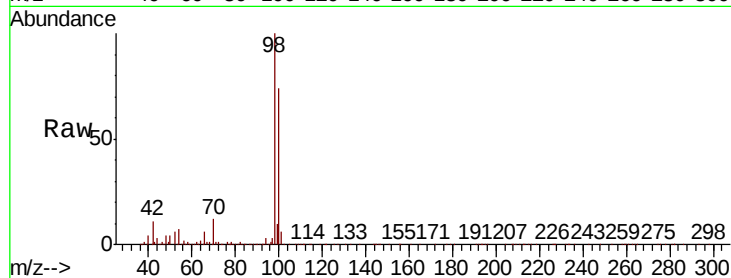
VF0520SBL01

Tgt Ion: 98 Resp: 1272508

Ion Ratio Lower Upper

98 100

100 73.8 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 1.405 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062653.D

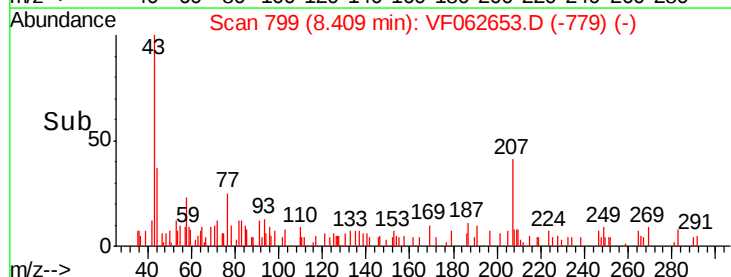
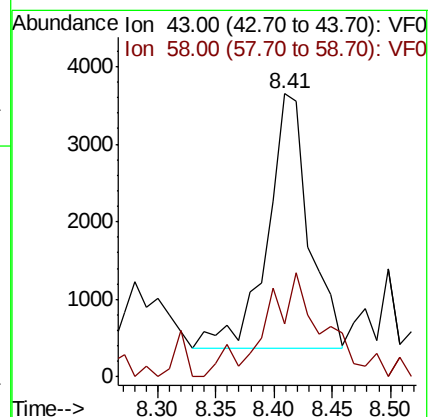
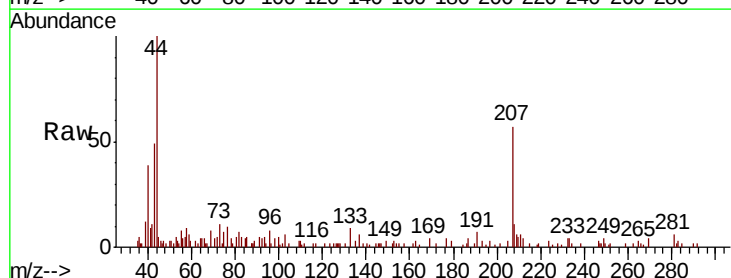
Acq: 20 May 2019 11:37

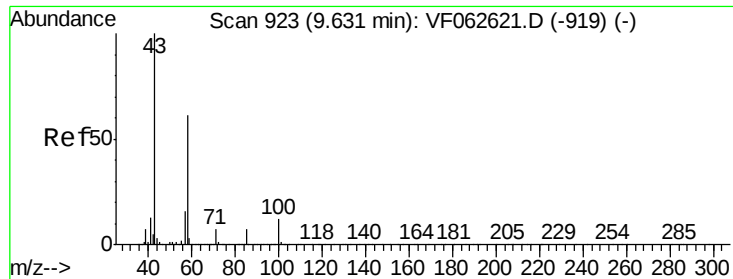
Tgt Ion: 43 Resp: 8171

Ion Ratio Lower Upper

43 100

58 18.7 34.9 52.3#

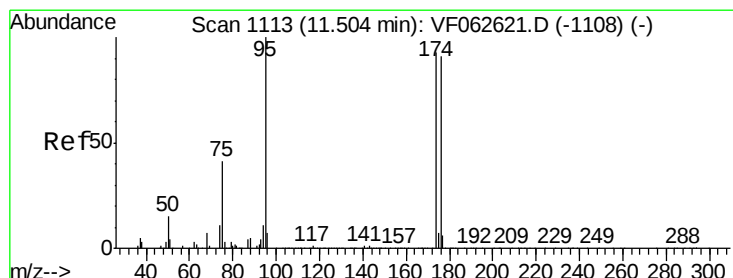
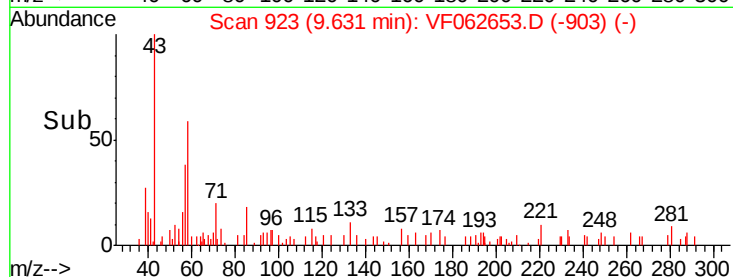
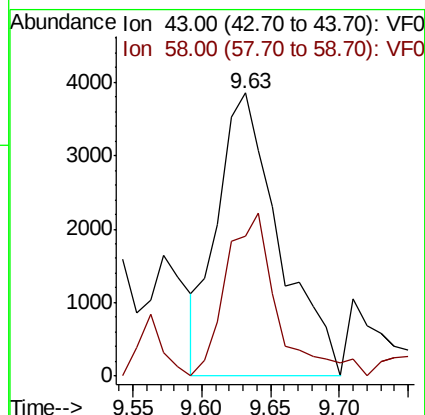
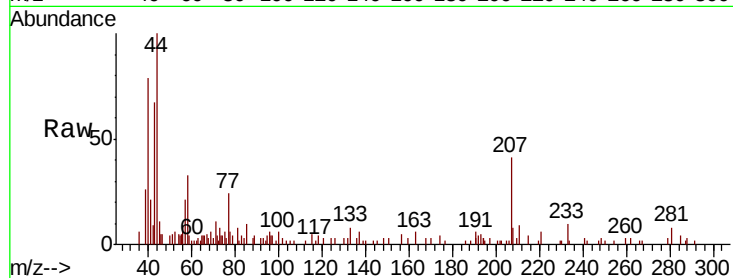




#59
2-Hexanone
Concen: Below Cal
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062653.D
Acq: 20 May 2019 11:37

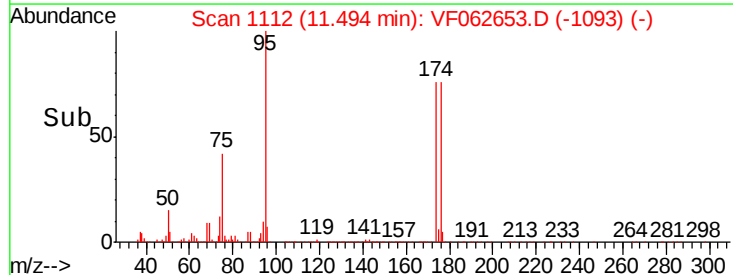
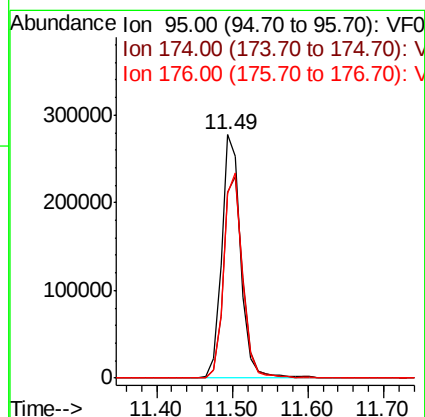
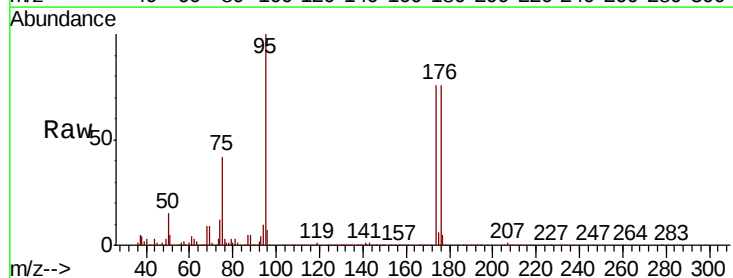
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBL01

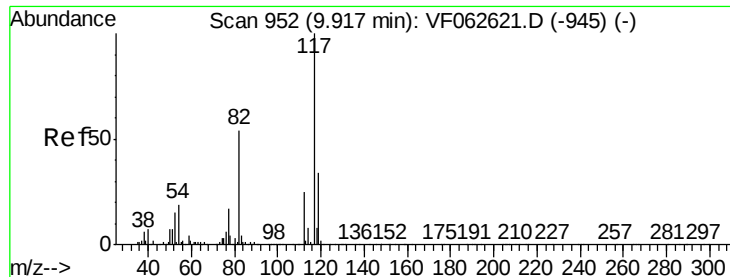
Tgt Ion: 43 Resp: 11981
Ion Ratio Lower Upper
43 100
58 49.5 28.1 84.4



#62
4-Bromofluorobenzene
Concen: 44.911 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062653.D
Acq: 20 May 2019 11:37

Tgt Ion: 95 Resp: 488518
Ion Ratio Lower Upper
95 100
174 76.5 0.0 185.6
176 75.9 0.0 182.4

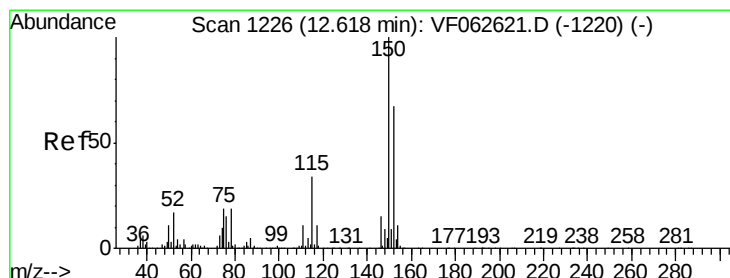
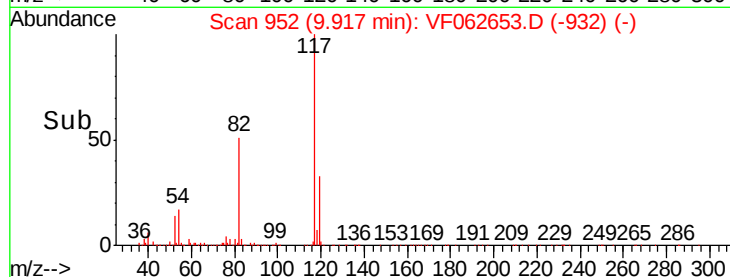
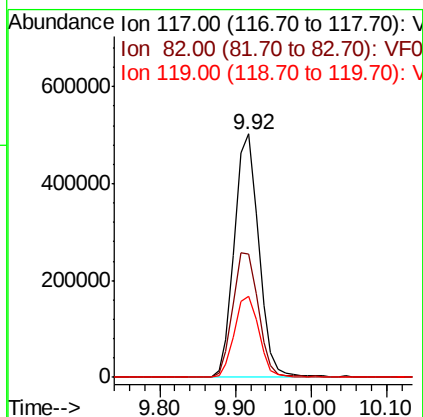
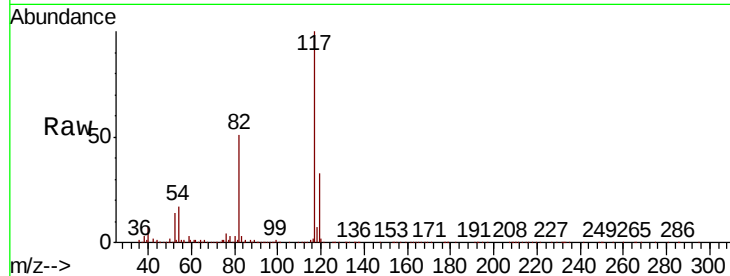




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062653.D
Acq: 20 May 2019 11:37

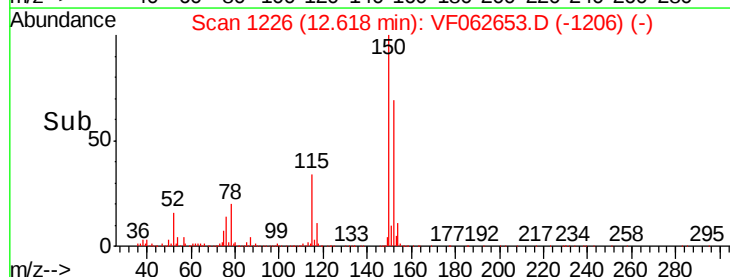
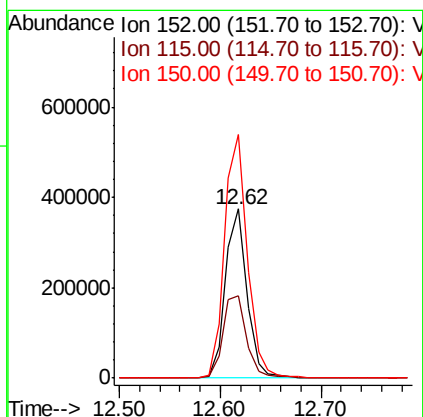
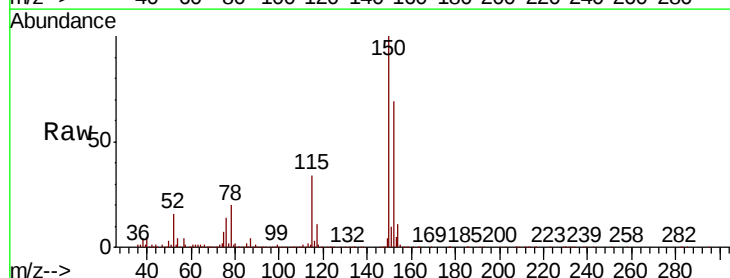
Instrument :
MSVOA_F
ClientSampleId :
VF0520SBL01

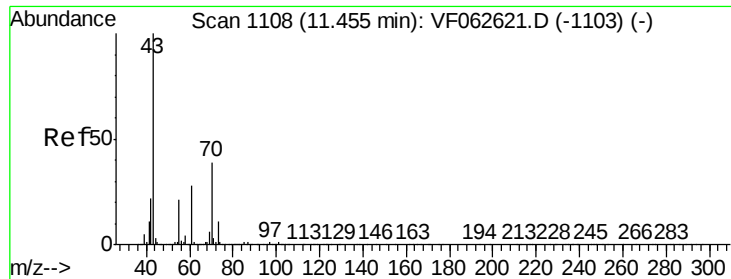
Tgt Ion:117 Resp: 1121867
Ion Ratio Lower Upper
117 100
82 50.9 43.3 64.9
119 33.0 27.4 41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VF062653.D
Acq: 20 May 2019 11:37

Tgt Ion:152 Resp: 562089
Ion Ratio Lower Upper
152 100
115 48.7 25.2 75.6
150 144.3 0.0 306.2

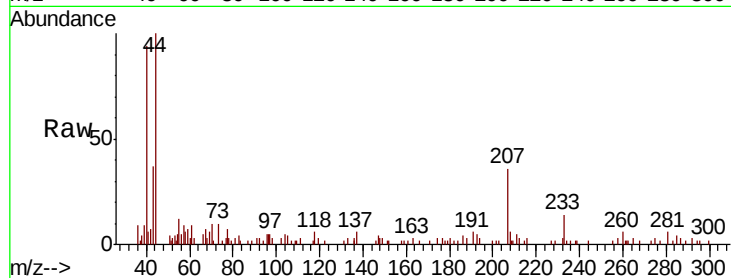




#74
 N-amyI acetate
 Concen: Below Cal
 RT: 11.45 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: VF062653.D
 Acq: 20 May 2019 11:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0520SBL01

Tgt Ion:	43	Resp:	3649
Ion	Ratio	Lower	Upper
43	100		
70	25.6	30.9	46.3#
55	30.9	17.0	25.4#
61	23.9	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

