

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062676.D
 Acq On : 21 May 2019 11:37
 Operator : FY/SY
 Sample : VF0521SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: May 22 03:54:11 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	856839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1403751	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	1078669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	472370	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	308217	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
35) Dibromofluoromethane	4.31	113	575177	53.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.10%	
50) Toluene-d8	7.72	98	1271309	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.50	95	453193	46.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.18%	

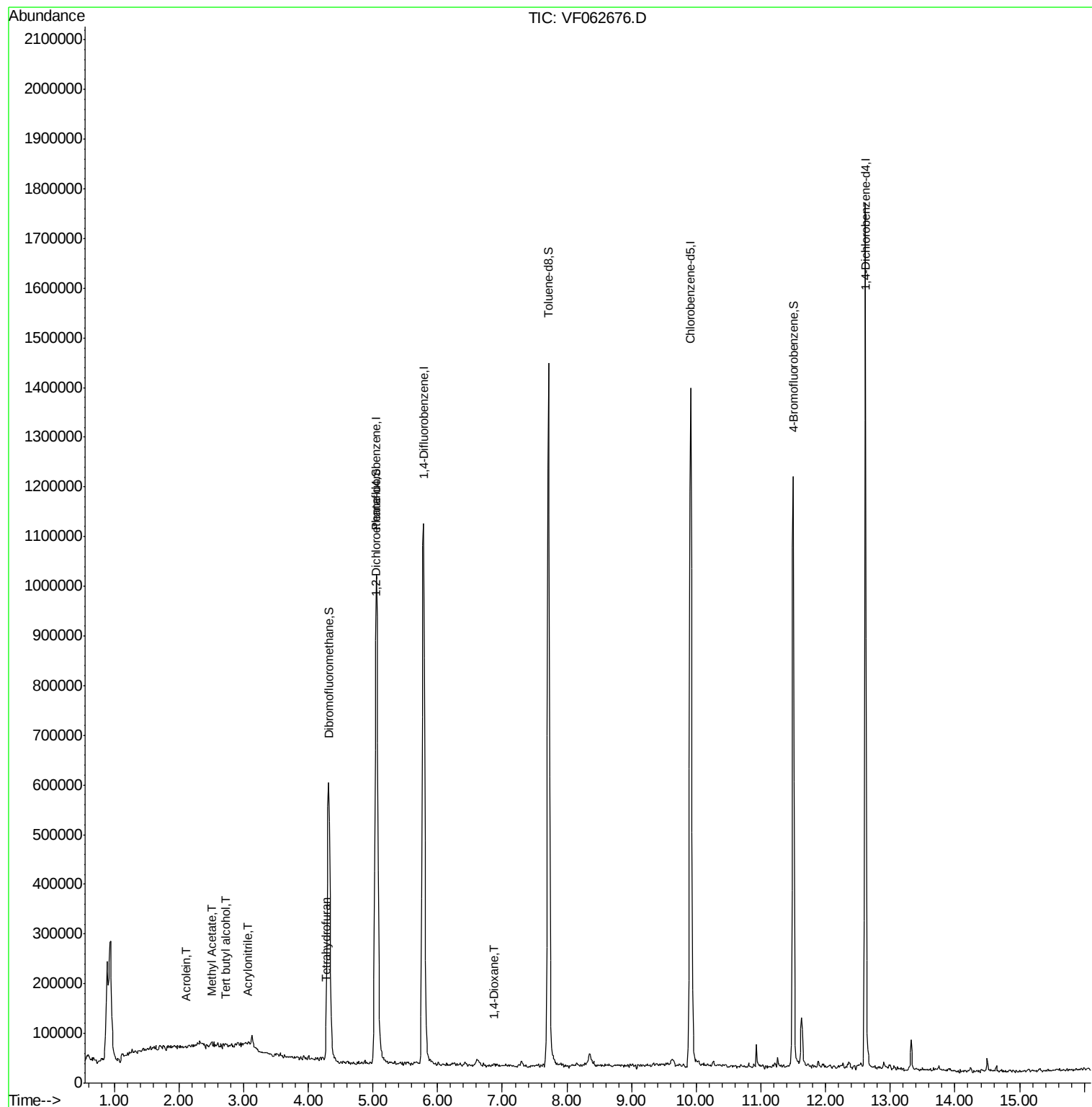
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.71	59	1573	3.935	ug/l #	26
13) Acrolein	2.11	56	2245	5.380	ug/l	90
15) Acrylonitrile	3.08	53	1989	1.764	ug/l #	81
18) Methyl Acetate	2.50	43	4474	1.812	ug/l #	70
29) Tetrahydrofuran	4.26	42	3426	2.523	ug/l #	49
49) 1,4-Dioxane	6.88	88	735	14.430	ug/l #	76
59) 2-Hexanone	9.63	43	13691	Below Cal		77
74) N-amyl acetate	11.45	43	3841	Below Cal	#	70

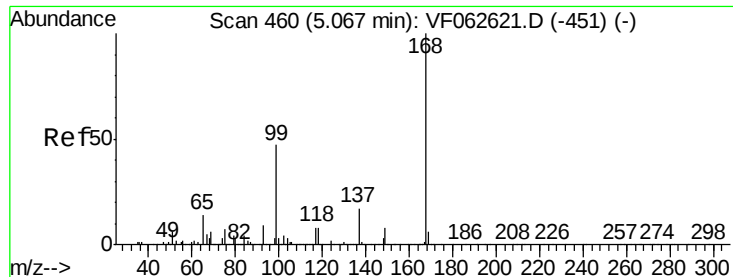
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

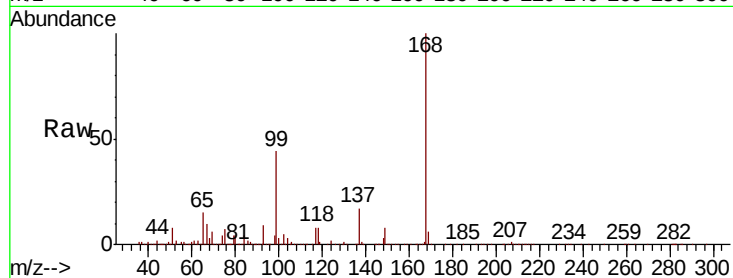
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 856839

Ion Ratio Lower Upper

168 100

99 44.3 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

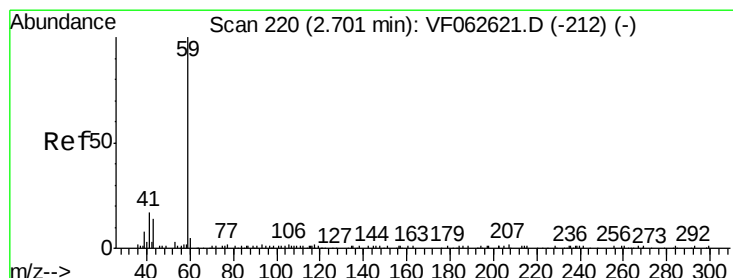
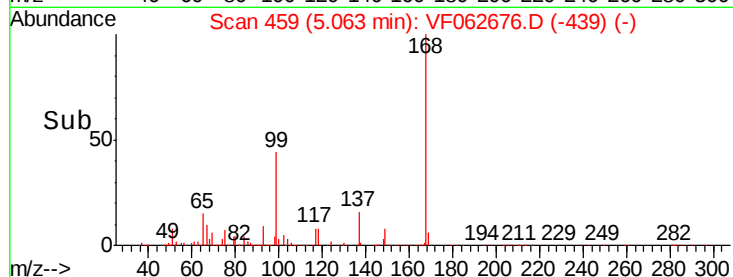
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.935 ug/l

RT: 2.71 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF062676.D

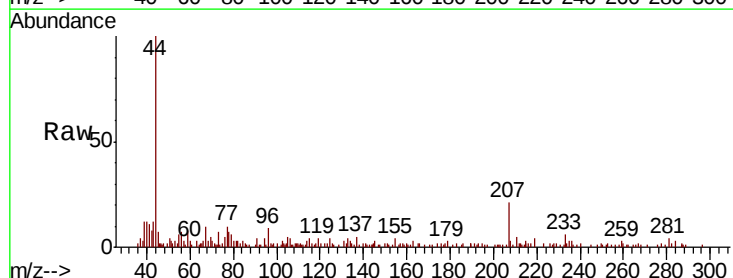
Acq: 21 May 2019 11:37

Tgt Ion: 59 Resp: 1573

Ion Ratio Lower Upper

59 100

57 40.1 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.71

1200

1000

800

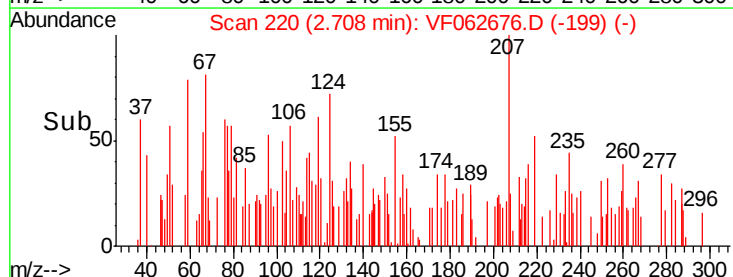
600

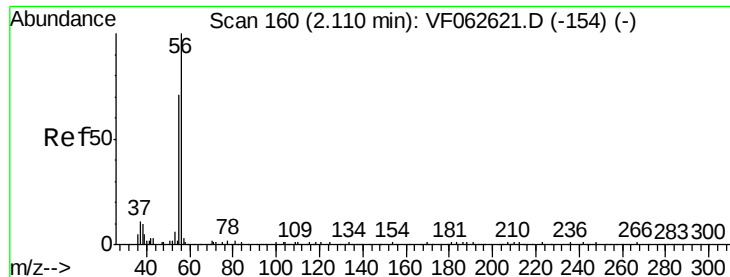
400

200

0

Time-->

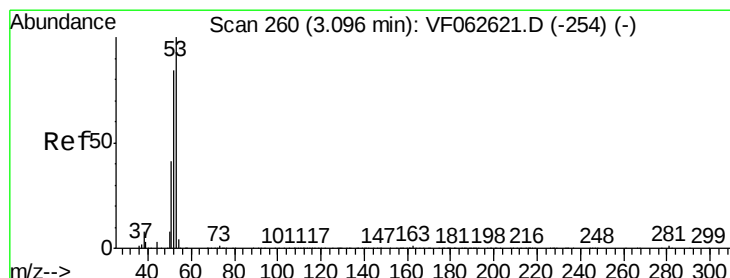
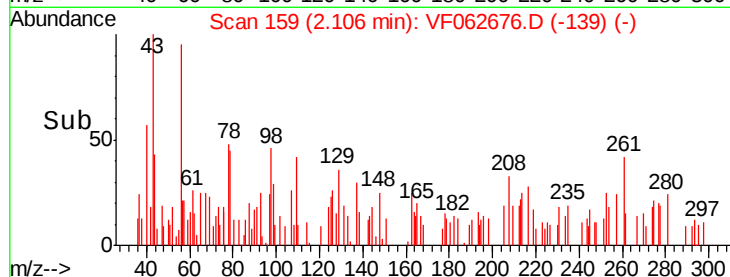
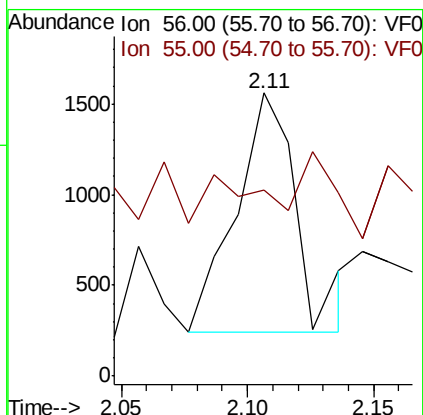
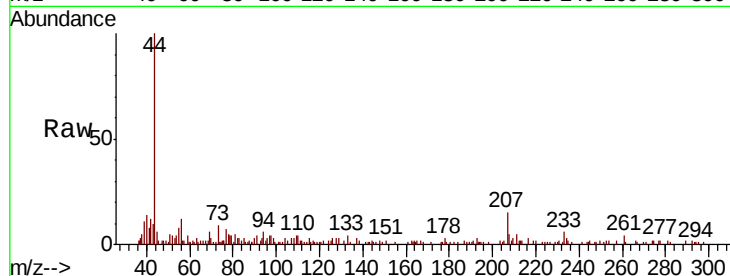




#13
Acrolein
Concen: 5.380 ug/l
RT: 2.11 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062676.D
Acq: 21 May 2019 11:37

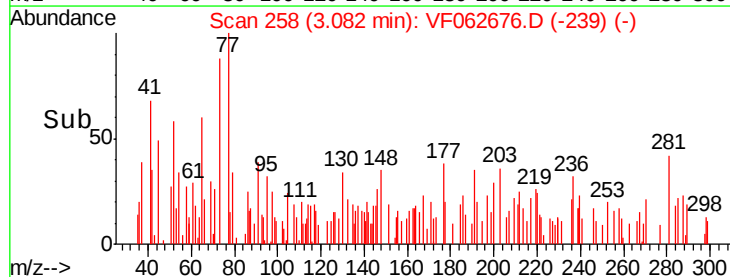
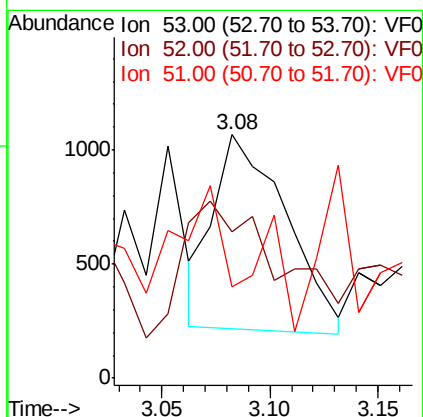
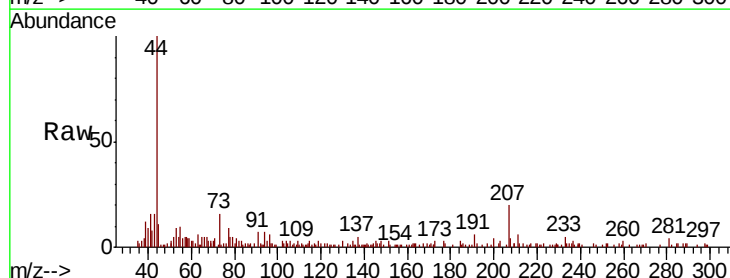
Instrument :
MSVOA_F
ClientSampleId :

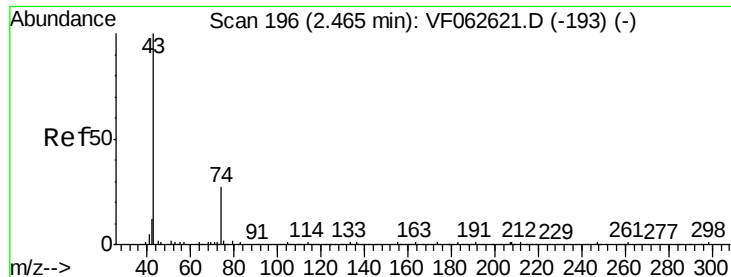
Tot Ion: 56 Resp: 2245
Ion Ratio Lower Upper
56 100
55 65.6 59.4 89.0



#15
Acrylonitrile
Concen: 1.764 ug/l
RT: 3.08 min Scan# 258
Delta R.T. -0.01 min
Lab File: VF062676.D
Acq: 21 May 2019 11:37

Tgt Ion: 53 Resp: 1989
Ion Ratio Lower Upper
53 100
52 60.4 67.3 100.9#
51 37.7 33.0 49.6

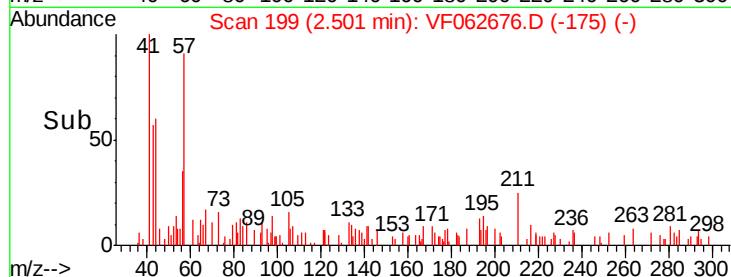
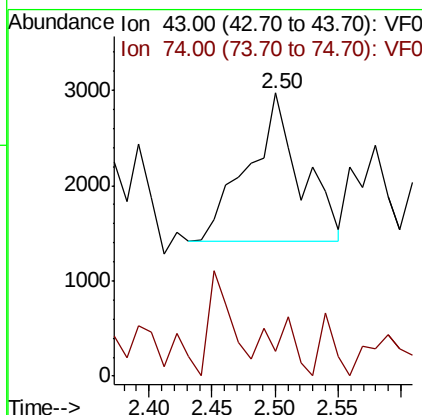
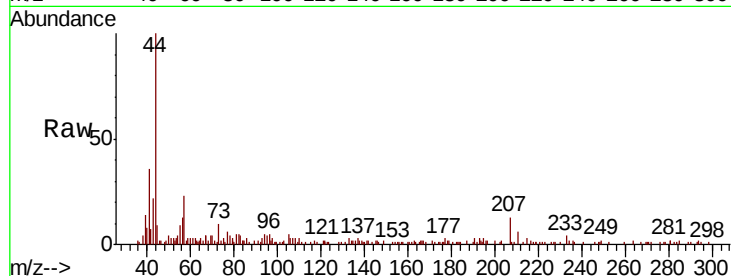




#18
Methvl Acetate
Concen: 1.812 ug/l
RT: 2.50 min Scan# 199
Delta R.T. 0.04 min
Lab File: VF062676.D
Acq: 21 May 2019 11:37

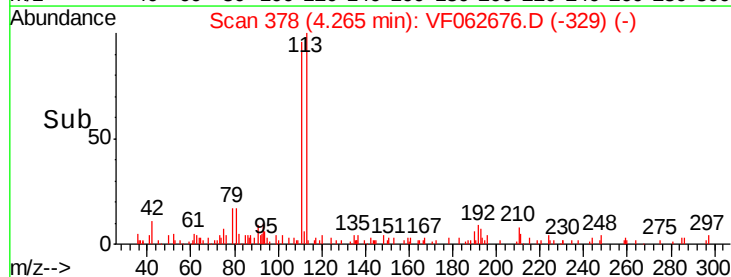
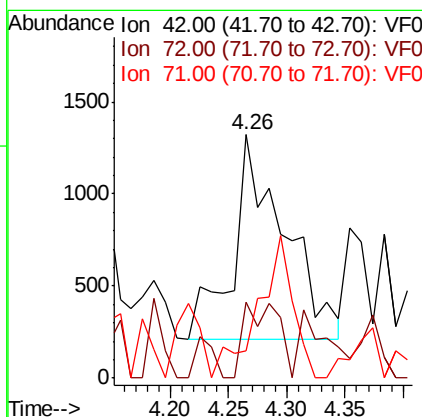
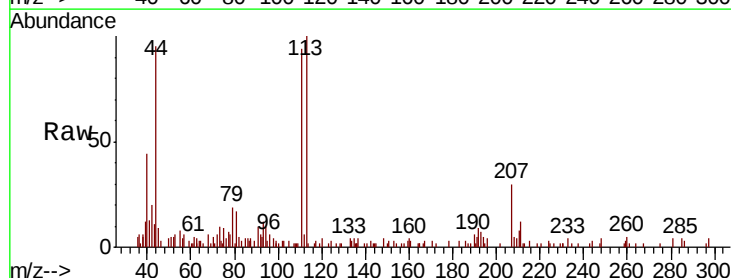
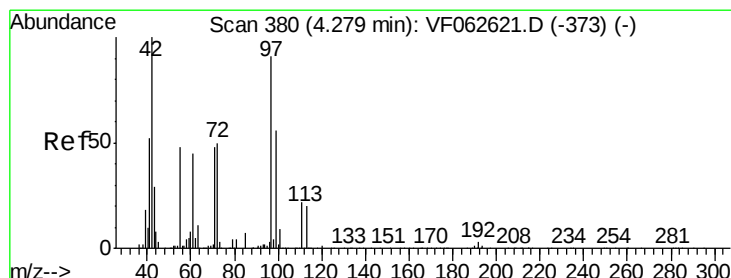
Instrument :
MSVOA_F
ClientSampleId :

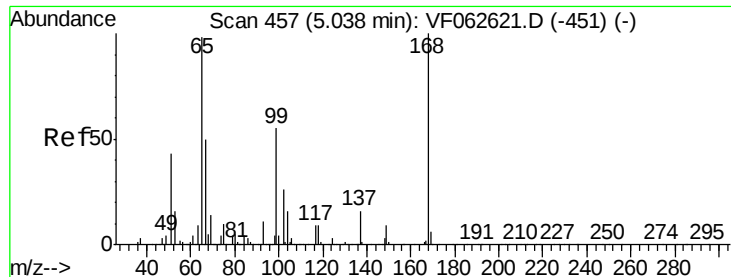
Tot Ion: 43 Resp: 4474
Ion Ratio Lower Upper
43 100
74 9.0 18.9 28.3#



#29
Tetrahydrofuran
Concen: 2.523 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF062676.D
Acq: 21 May 2019 11:37

Tgt Ion: 42 Resp: 3426
Ion Ratio Lower Upper
42 100
72 24.5 38.2 57.2#
71 0.0 35.8 53.6#





#33

1,2-Dichloroethane-d4

Concen: 50.904 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

Instrument :

MSVOA_F

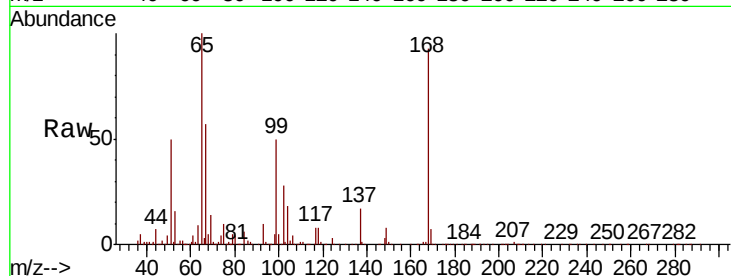
ClientSampleId :

Tot Ion: 65 Resp: 308217

Ion Ratio Lower Upper

65 100

67 56.7 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

120000

100000

80000

60000

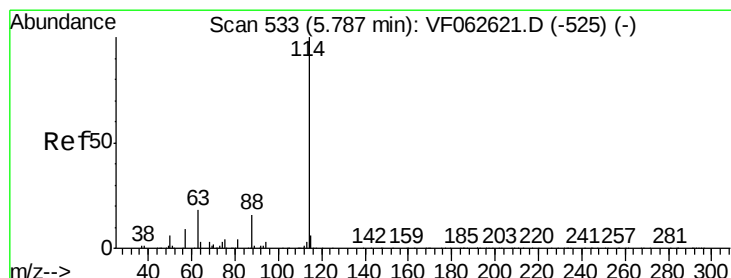
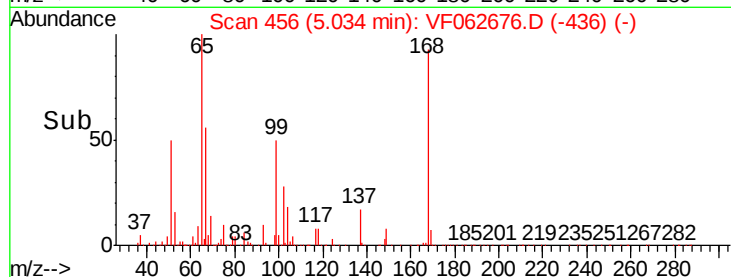
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

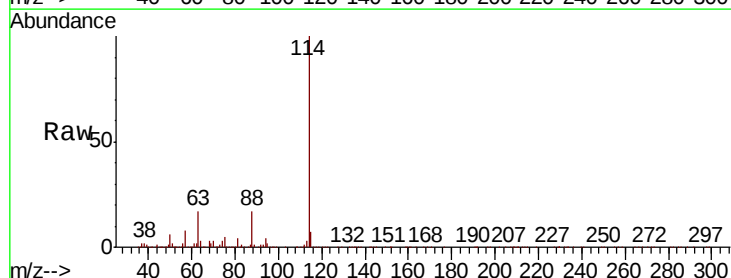
Tgt Ion: 114 Resp: 1403751

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.4

88 16.9 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

600000

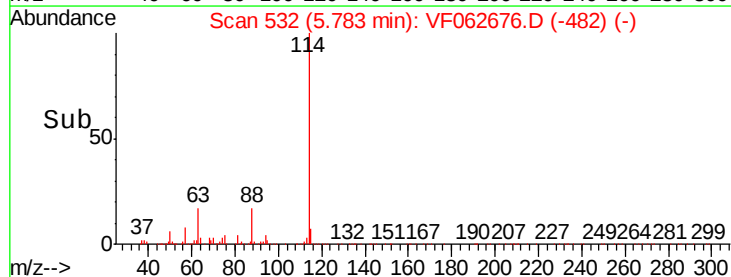
400000

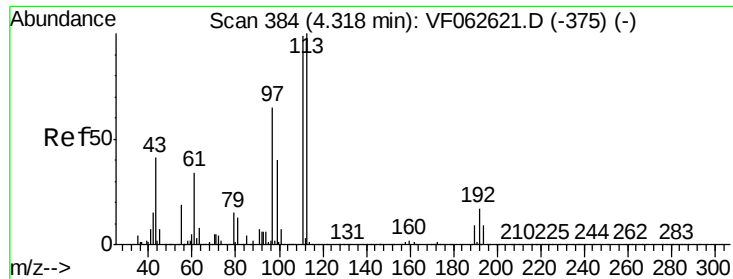
200000

0

Time-->

5.60 5.70 5.80 5.90 6.00

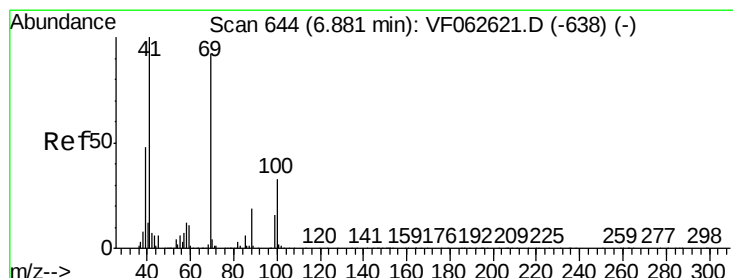
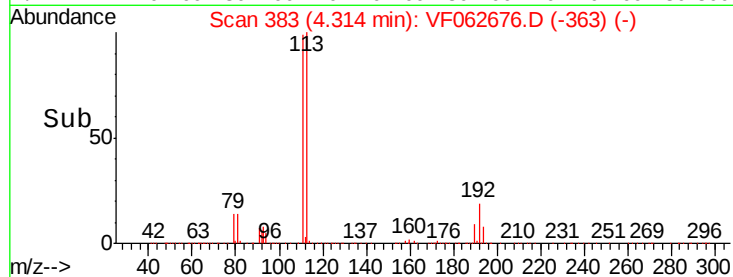
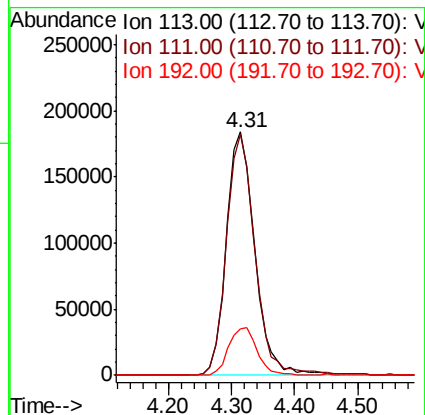
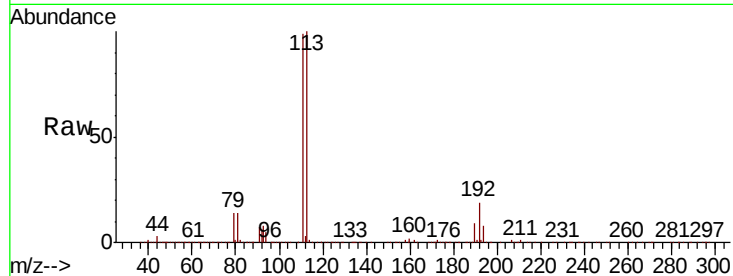




#35
 Dibromofluoromethane
 Concen: 53.547 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VF062676.D
 Acq: 21 May 2019 11:37

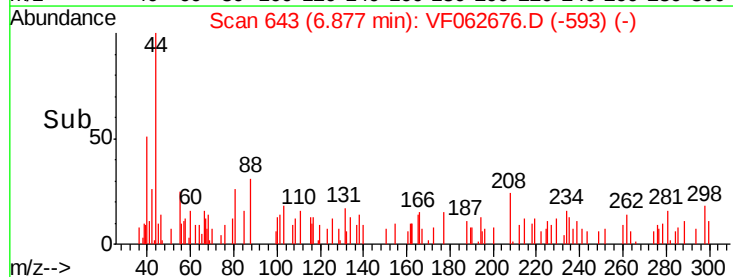
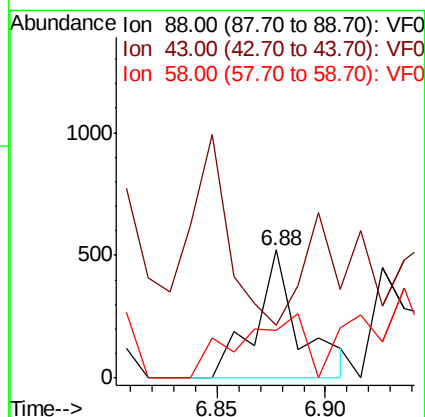
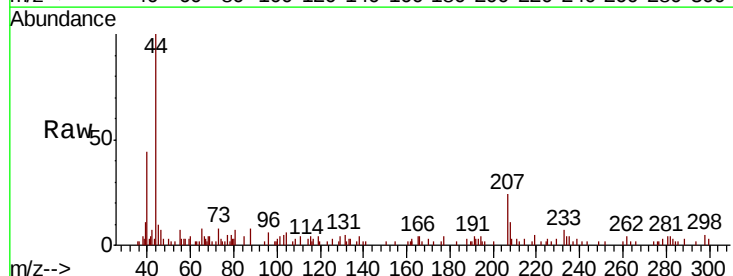
Instrument :
 MSVOA_F
 ClientSampleId :

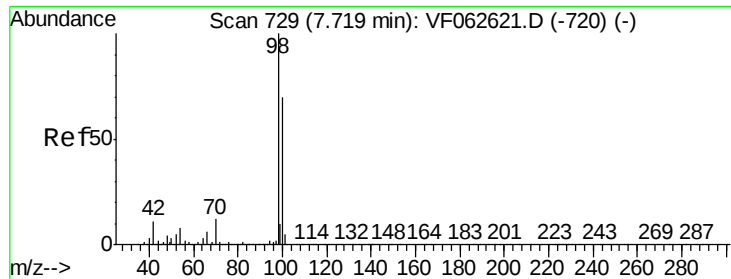
Tot Ion	Ratio	Lower	Upper
113	100		
111	98.8	79.4	119.2
192	18.9	13.4	20.2



#49
 1,4-Dioxane
 Concen: 14.430 ug/l
 RT: 6.88 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VF062676.D
 Acq: 21 May 2019 11:37

Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.1	30.0	45.0
58	37.2	51.1	76.7#





#50

Toluene-d8

Concen: 49.570 ug/l

RT: 7.72 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

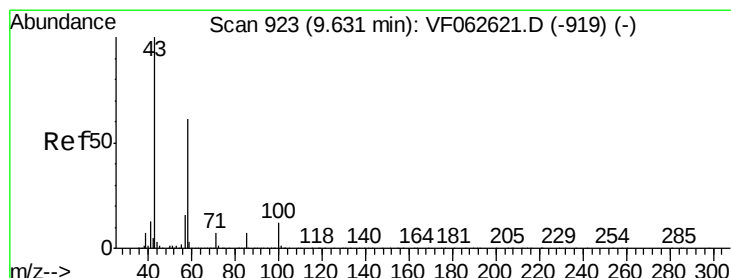
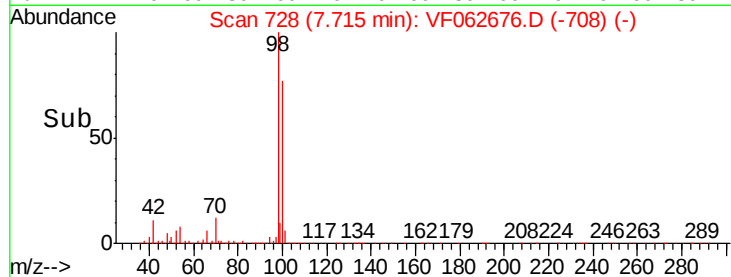
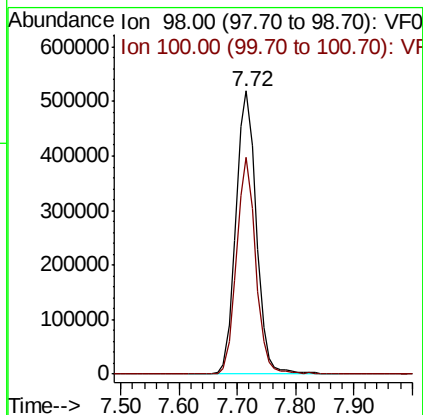
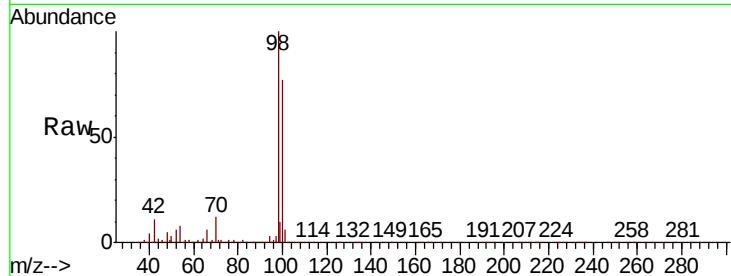
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 98 Resp: 1271309

Ion Ratio Lower Upper

98 100

100 76.7 56.2 84.2



#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 922

Delta R.T. -0.00 min

Lab File: VF062676.D

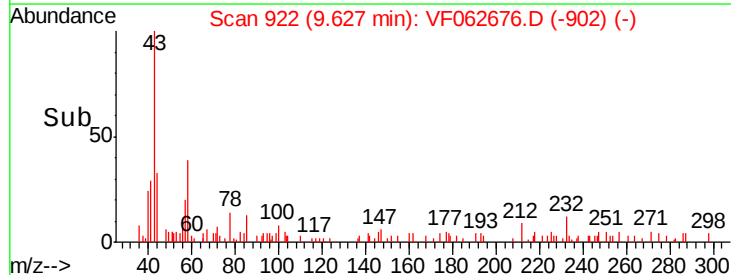
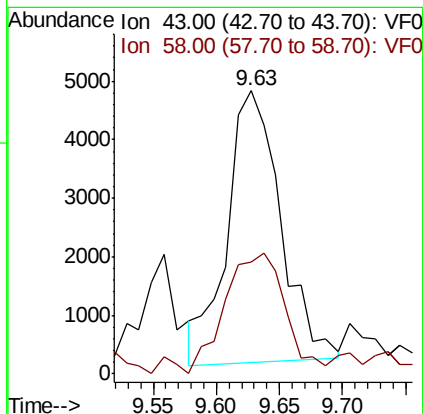
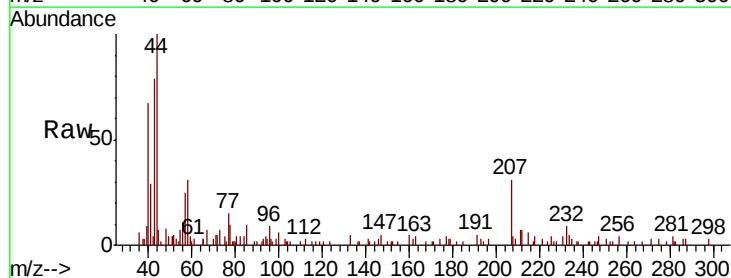
Acq: 21 May 2019 11:37

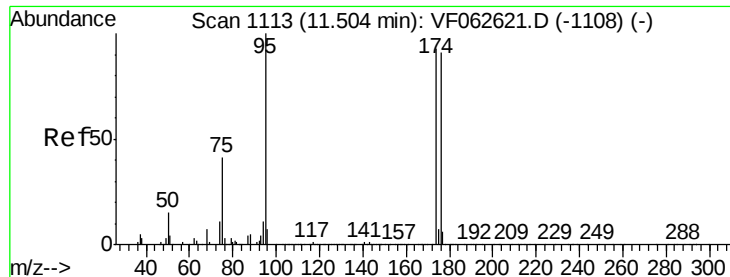
Tgt Ion: 43 Resp: 13691

Ion Ratio Lower Upper

43 100

58 39.4 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 46.591 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

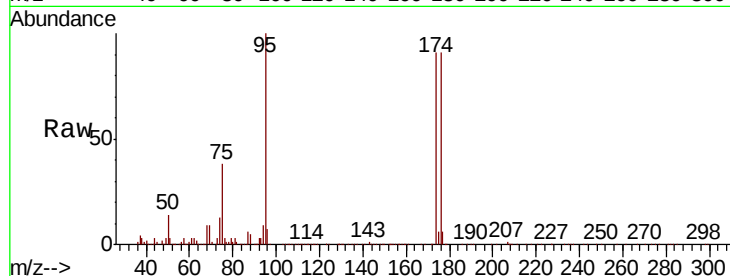
Tot Ion: 95 Resp: 453193

Ion Ratio Lower Upper

95 100

174 91.3 0.0 185.6

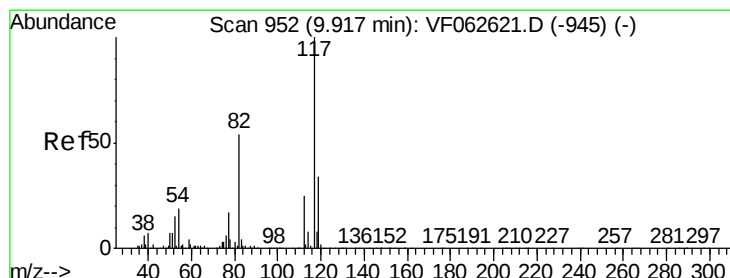
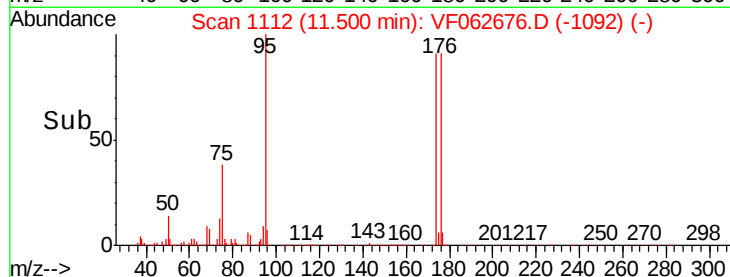
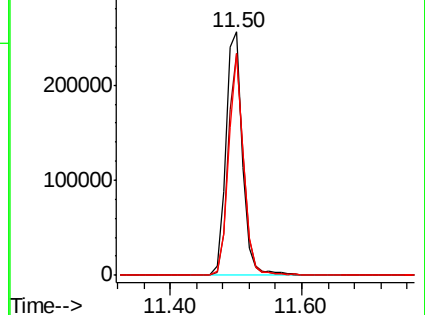
176 90.9 0.0 182.4



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. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

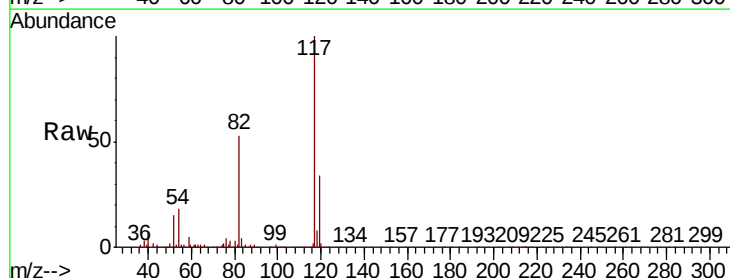
Tgt Ion: 117 Resp: 1078669

Ion Ratio Lower Upper

117 100

82 52.6 43.3 64.9

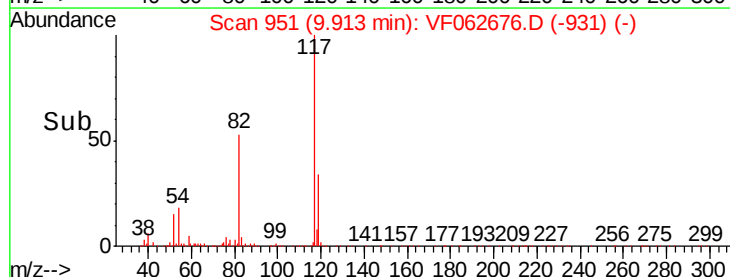
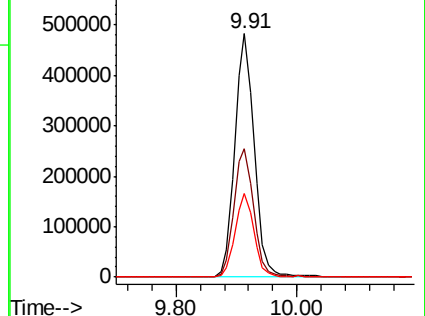
119 34.5 27.4 41.0

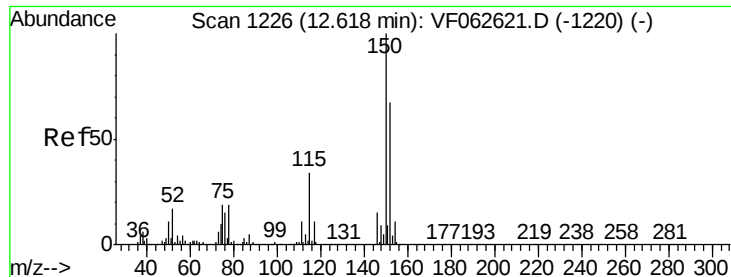


Abundance Ion 117.00 (116.70 to 117.70): VF0

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. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

Instrument :

MSVOA_F

ClientSampleId :

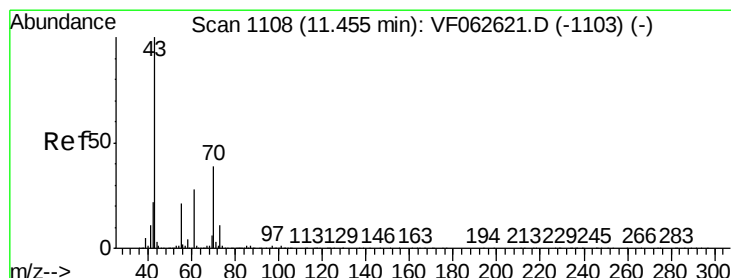
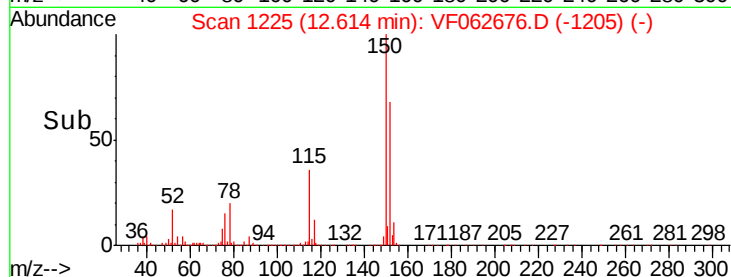
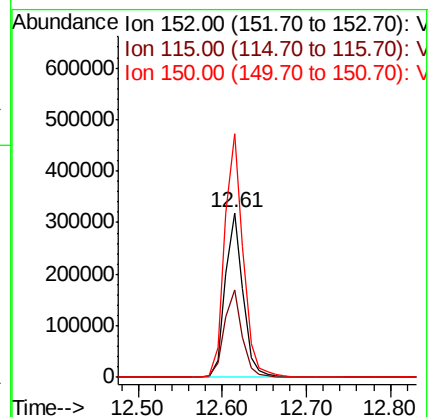
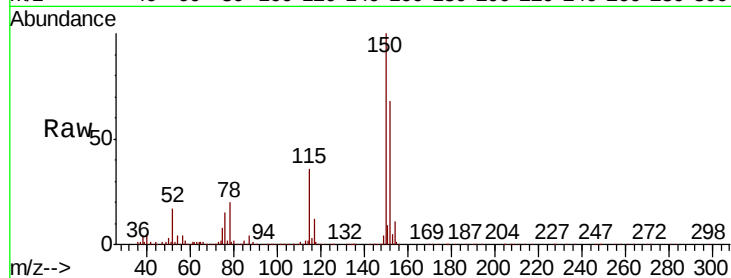
Tot Ion:152 Resp: 472370

Ion Ratio Lower Upper

152 100

115 53.1 25.2 75.6

150 147.9 0.0 306.2



#74

N-ethyl acetate

Concen: Below Cal

RT: 11.45 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062676.D

Acq: 21 May 2019 11:37

Tgt Ion: 43 Resp: 3841

Ion Ratio Lower Upper

43 100

70 71.6 30.9 46.3#

55 27.3 17.0 25.4#

61 22.4 22.6 34.0#

