

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062711.D
 Acq On : 22 May 2019 17:45
 Operator : FY/SY
 Sample : K3008-06
 Misc : 6.22g/5mL/MSVOA F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VOC-21

Quant Time: May 23 01:23:34 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	735721	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1263817	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	843988	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	298871	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	247668	47.64	ug/l	-0.01
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	4.30	113	470563	48.66	ug/l	-0.02
Spiked Amount			Recovery	=	97.32%	
50) Toluene-d8	7.71	98	940429	40.73	ug/l	-0.01
Spiked Amount			Recovery	=	81.46%	
62) 4-Bromofluorobenzene	11.48	95	265103	30.27	ug/l	-0.02
Spiked Amount			Recovery	=	60.54%	

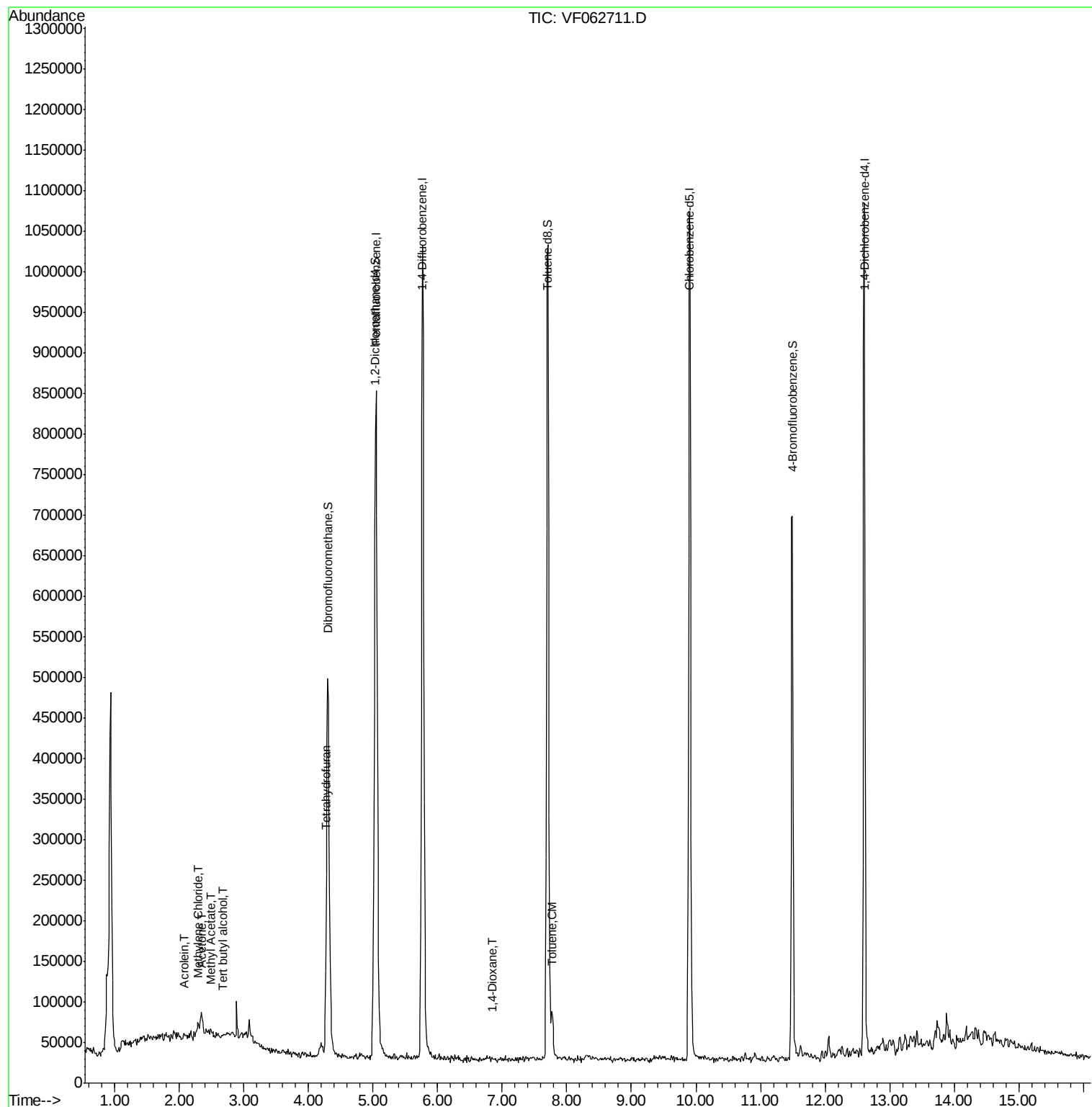
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1504	4.382	ug/l #	1
13) Acrolein	2.07	56	1756	4.901	ug/l #	46
16) Acetone	2.35	43	24905	18.465	ug/l	100
18) Methyl Acetate	2.49	43	5351	2.525	ug/l #	71
20) Methylene Chloride	2.29	84	7064	1.045	ug/l	88
29) Tetrahydrofuran	4.27	42	1431	1.227	ug/l #	83
49) 1,4-Dioxane	6.84	88	312	6.803	ug/l #	33
52) Toluene	7.77	92	28762	1.554	ug/l	93
59) 2-Hexanone	9.62	43	2958	Below Cal		94
74) N-amyl acetate	11.43	43	689	Below Cal	#	85

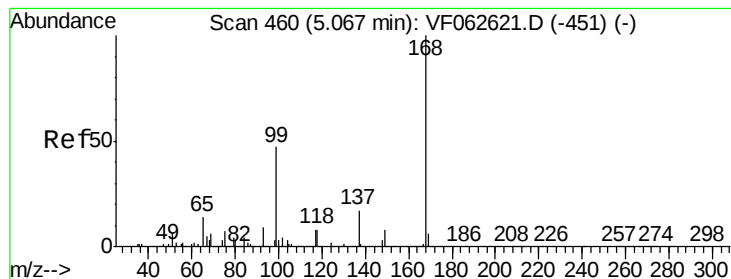
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052219\
Data File : VF062711.D
Acq On : 22 May 2019 17:45
Operator : FY/SY
Sample : K3008-06
Misc : 6.22g/5mL/MSVOA F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VOC-21

Quant Time: May 23 01:23:34 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: VF062711.D

Acq: 22 May 2019 17:45

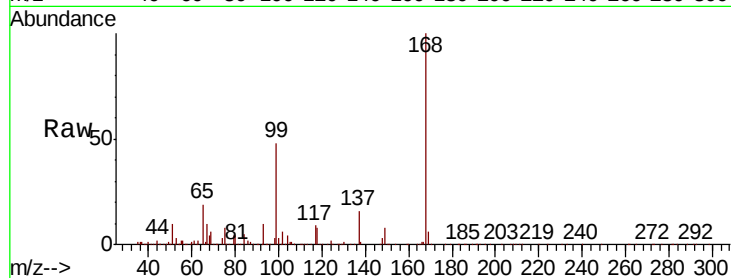
Instrument :
MSVOA_F
ClientSampled :
VOC-21

Tot Ion:168 Resp: 735721

Ion Ratio Lower Upper

168 100

99 48.4 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

250000

200000

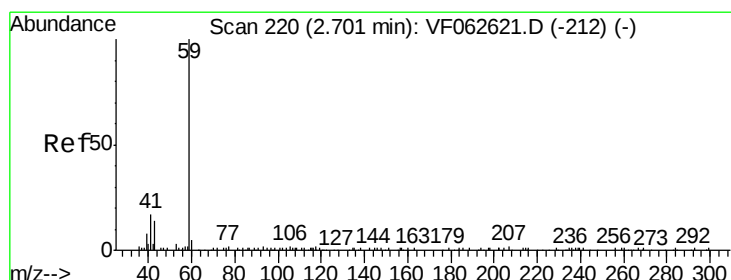
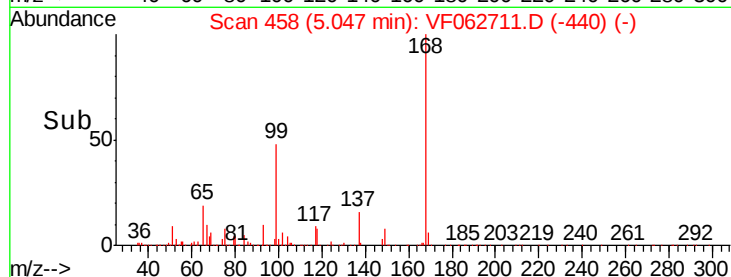
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.382 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062711.D

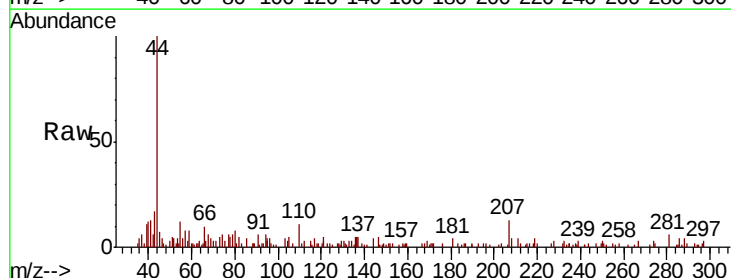
Acq: 22 May 2019 17:45

Tgt Ion: 59 Resp: 1504

Ion Ratio Lower Upper

59 100

57 92.7 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.68

800

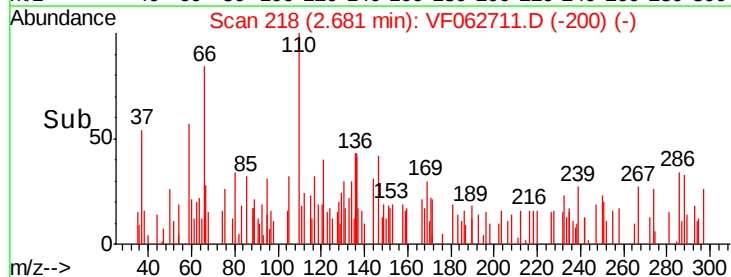
600

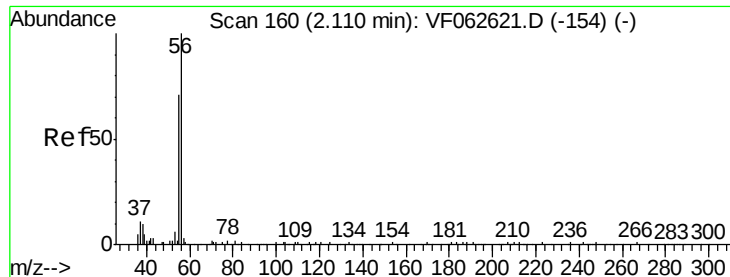
400

200

0

Time-->





#13

Acrolein

Concen: 4.901 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.04 min

Lab File: VF062711.D

Acq: 22 May 2019 17:45

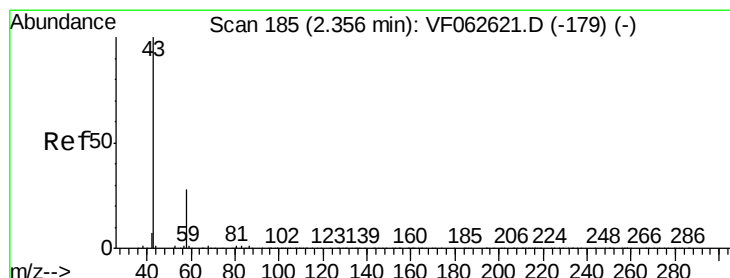
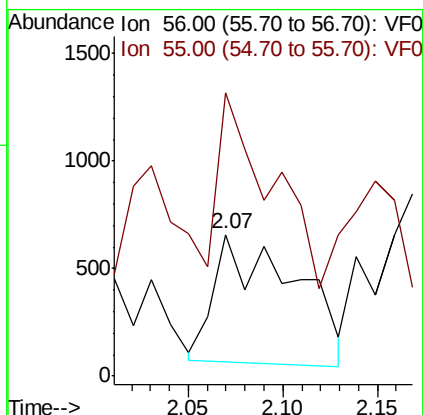
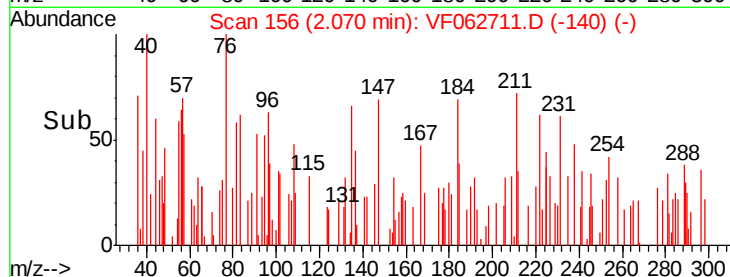
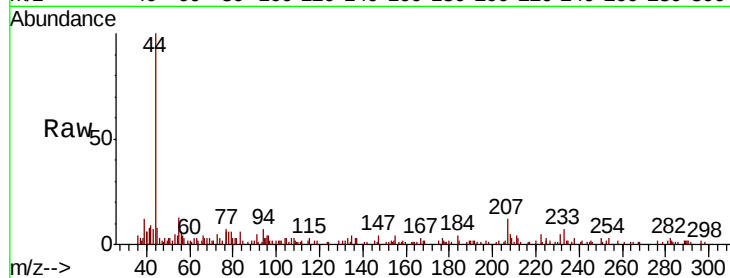
Instrument :
MSVOA_F
ClientSampleId :
VOC-21

Tot Ion: 56 Resp: 1756

Ion Ratio Lower Upper

56 100

55 120.0 59.4 89.0#



#16

Acetone

Concen: 18.465 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF062711.D

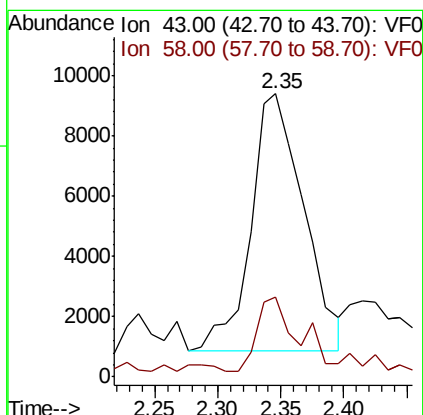
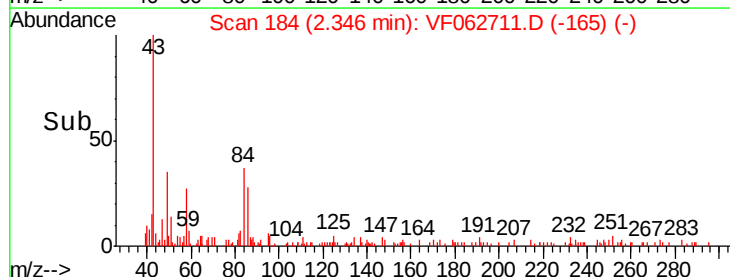
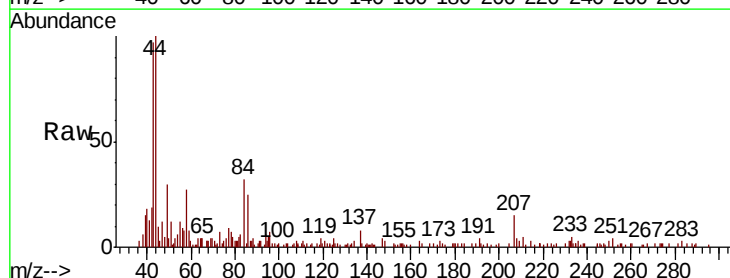
Acq: 22 May 2019 17:45

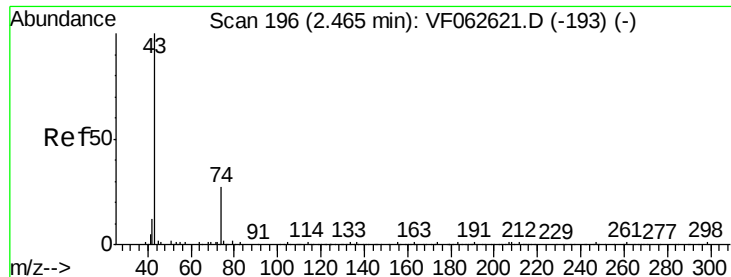
Tgt Ion: 43 Resp: 24905

Ion Ratio Lower Upper

43 100

58 28.0 22.6 33.8

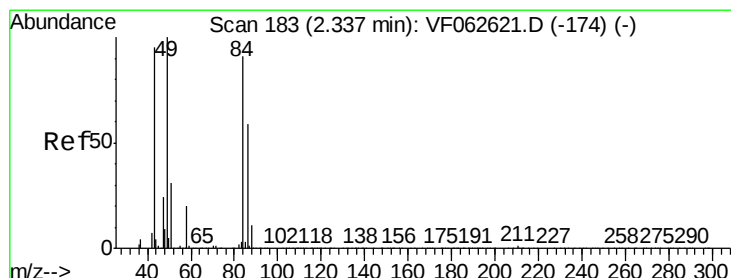
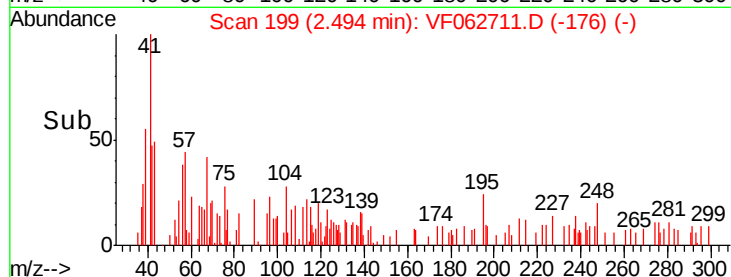
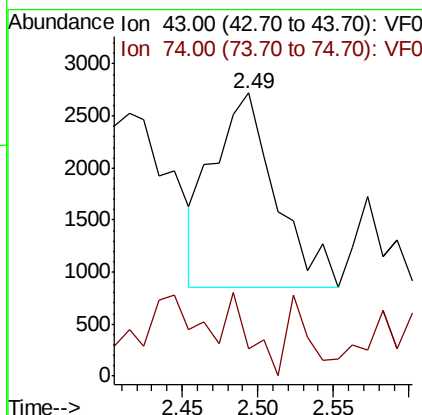
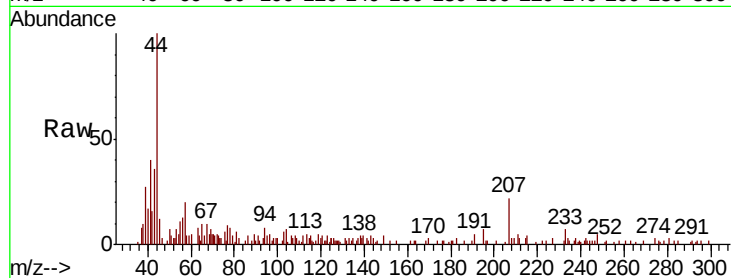




#18
Methvl Acetate
Concen: 2.525 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

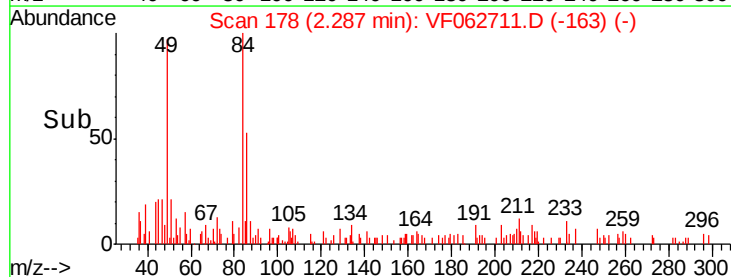
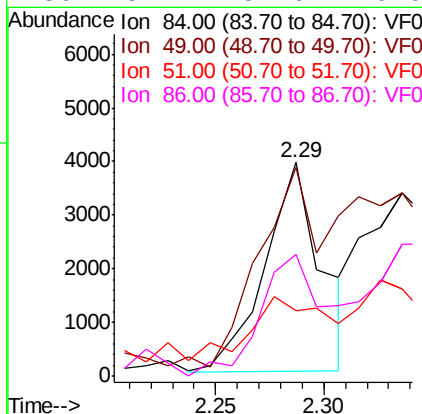
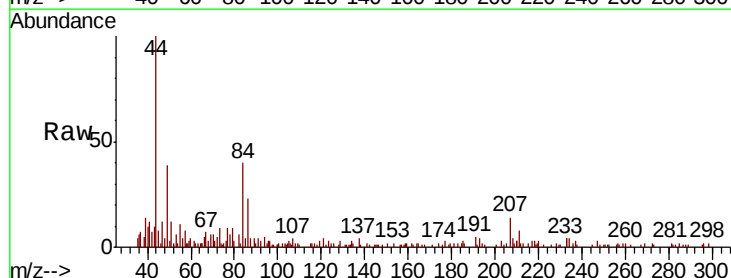
Instrument :
MSVOA_F
ClientSampleId :
VOC-21

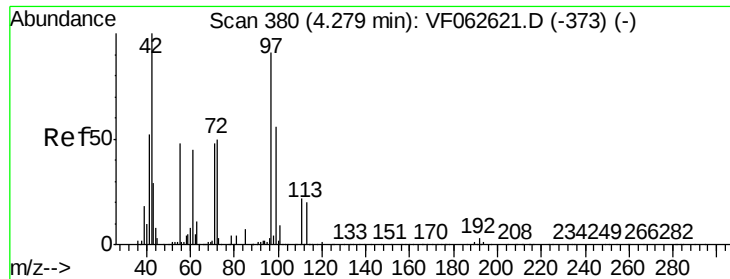
Tot Ion: 43 Resp: 5351
Ion Ratio Lower Upper
43 100
74 9.4 18.9 28.3#



#20
Methylene Chloride
Concen: 1.045 ug/l
RT: 2.29 min Scan# 178
Delta R.T. -0.05 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

Tgt Ion: 84 Resp: 7064
Ion Ratio Lower Upper
84 100
49 97.4 89.8 134.8
51 30.4 28.4 42.6
86 57.1 52.6 79.0

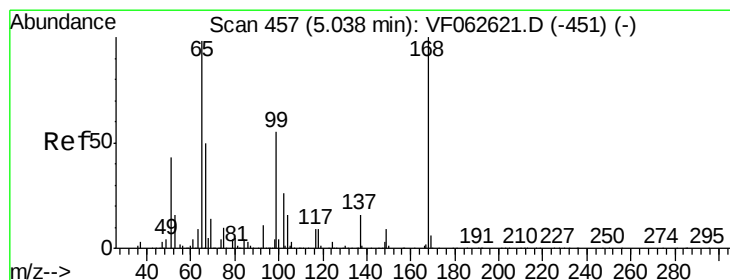
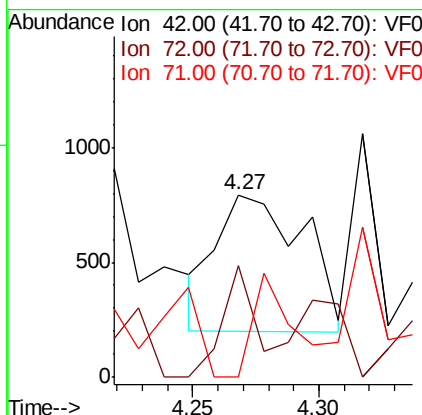
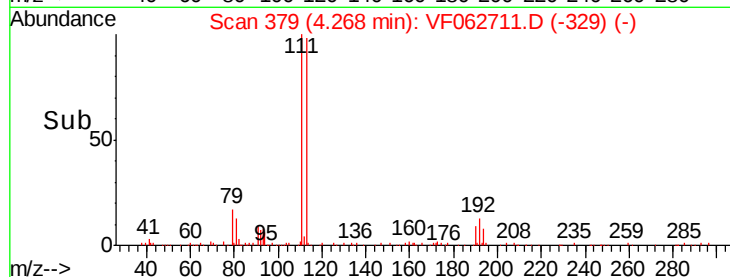
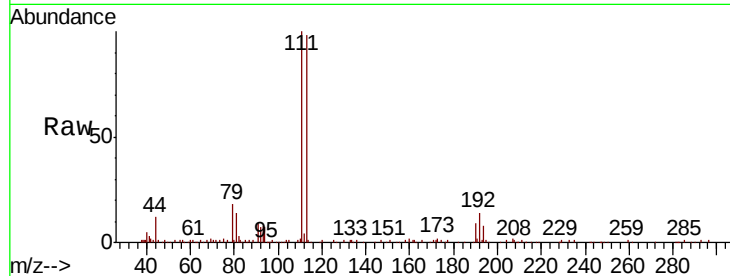




#29
Tetrahydrofuran
Concen: 1.227 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

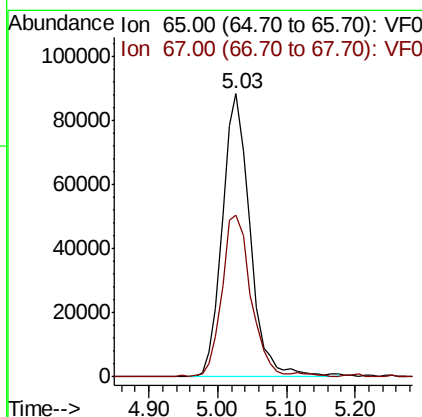
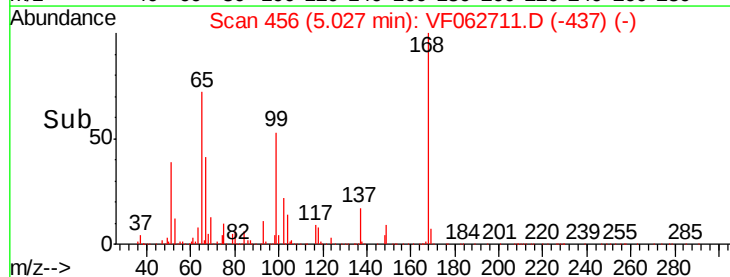
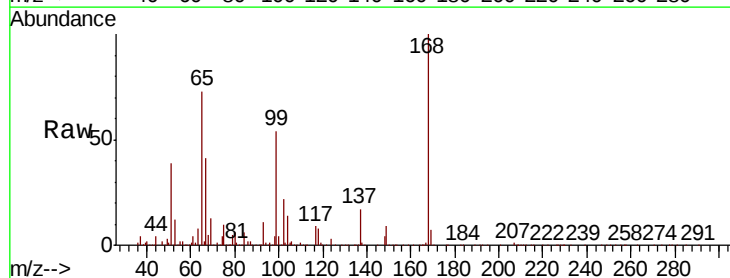
Instrument :
MSVOA_F
ClientSampleID :
VOC-21

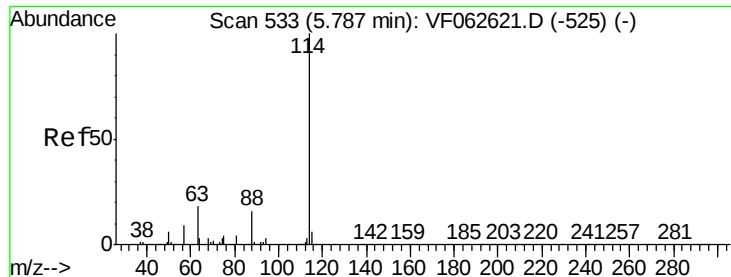
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	38.2	57.2#
71	34.0	35.8	53.6#



#33
1,2-Dichloroethane-d4
Concen: 47.638 ug/l
RT: 5.03 min Scan# 456
Delta R.T. -0.01 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
65	100		
67	57.0	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: VF062711.D

Acq: 22 May 2019 17:45

Instrument :

MSVOA_F

ClientSampleId :

VOC-21

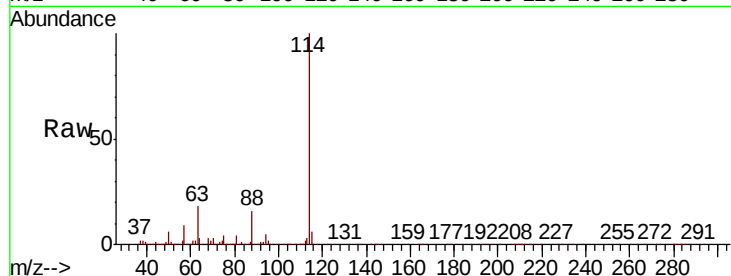
Tot Ion:114 Resp: 1263817

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.4

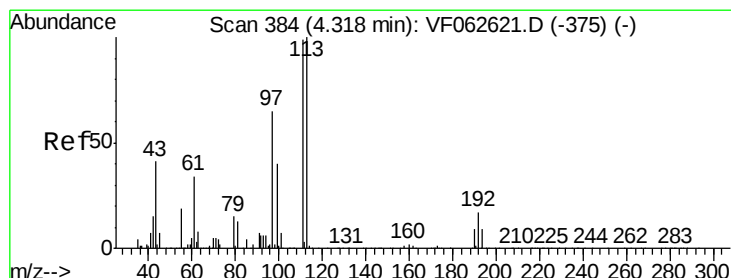
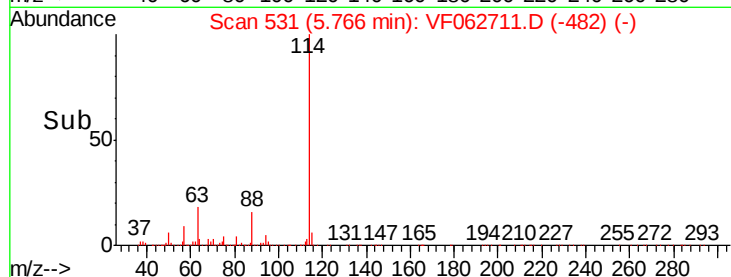
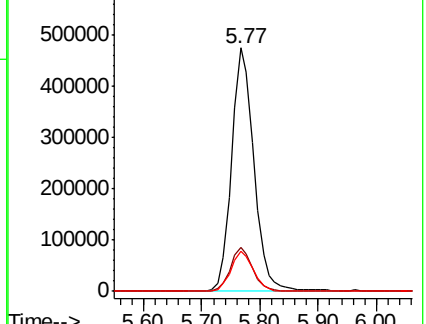
88 16.3 0.0 32.4



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: 48.658 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.02 min

Lab File: VF062711.D

Acq: 22 May 2019 17:45

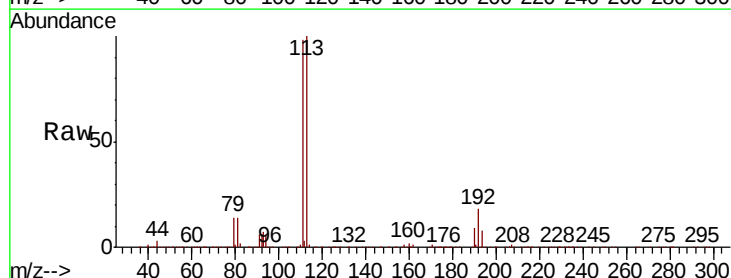
Tgt Ion:113 Resp: 470563

Ion Ratio Lower Upper

113 100

111 98.3 79.4 119.2

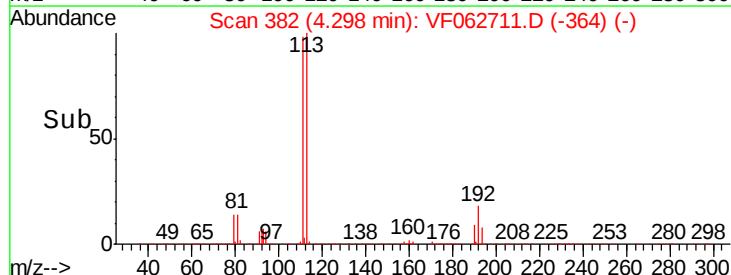
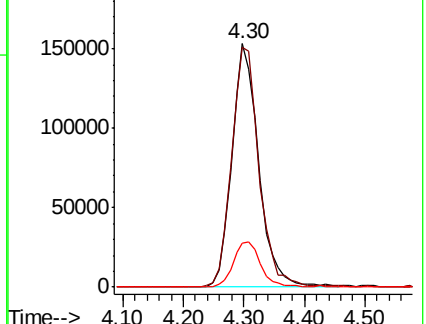
192 18.0 13.4 20.2

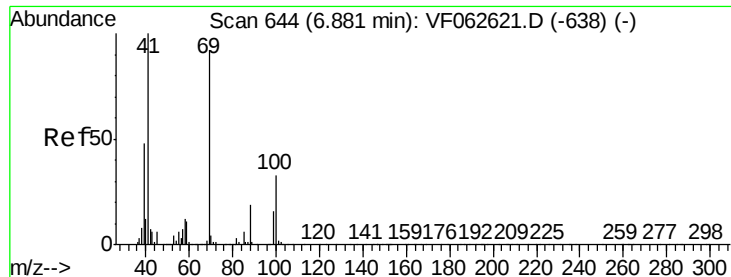


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

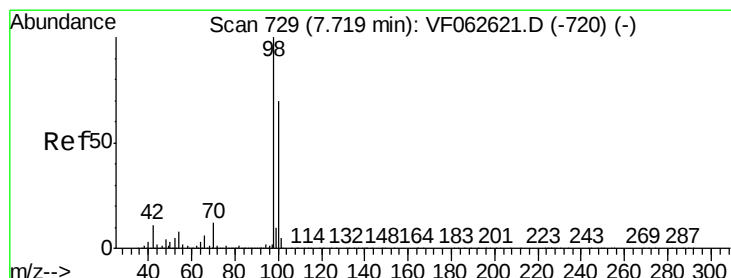
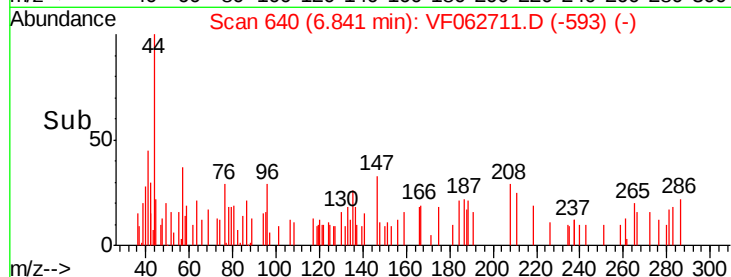
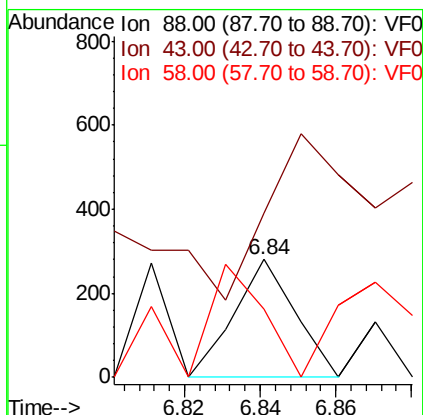
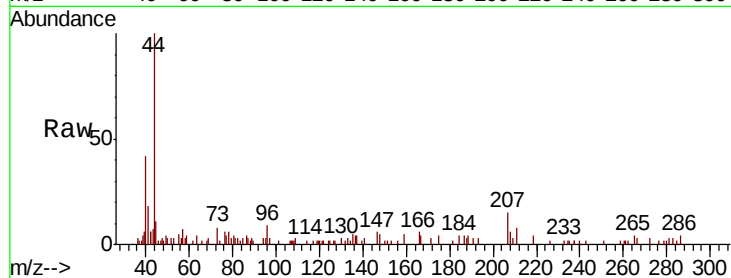




#49
1,4-Dioxane
Concen: 6.803 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.04 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

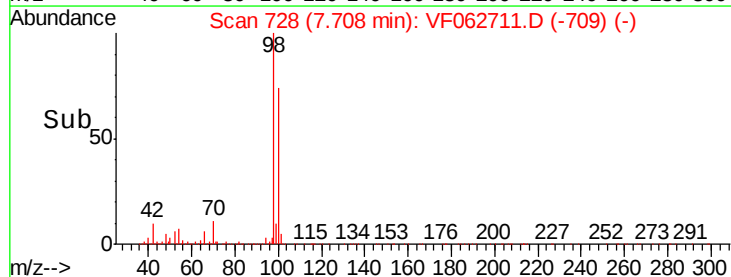
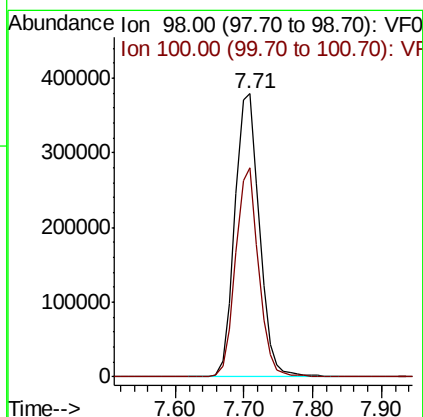
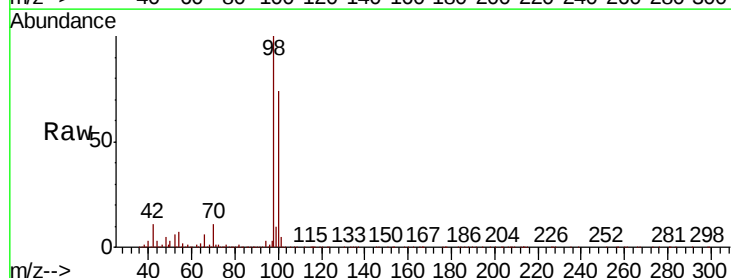
Instrument :
MSVOA_F
ClientSampleId :
VOC-21

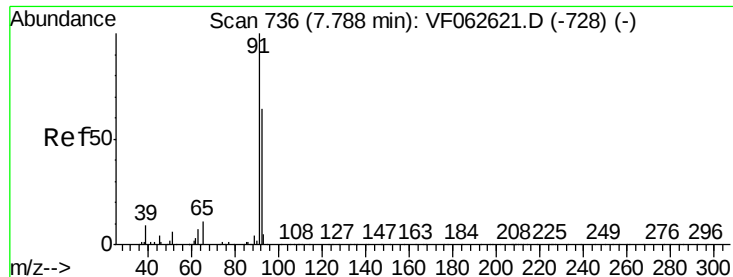
Tot Ion: 88 Resp: 312
Ion Ratio Lower Upper
88 100
43 139.1 30.0 45.0#
58 58.0 51.1 76.7



#50
Toluene-d8
Concen: 40.729 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

Tgt Ion: 98 Resp: 940429
Ion Ratio Lower Upper
98 100
100 73.7 56.2 84.2





#52

Toluene

Concen: 1.554 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062711.D

Acq: 22 May 2019 17:45

Instrument :

MSVOA_F

ClientSampleId :

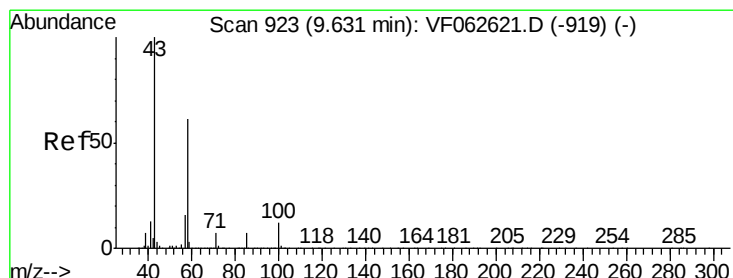
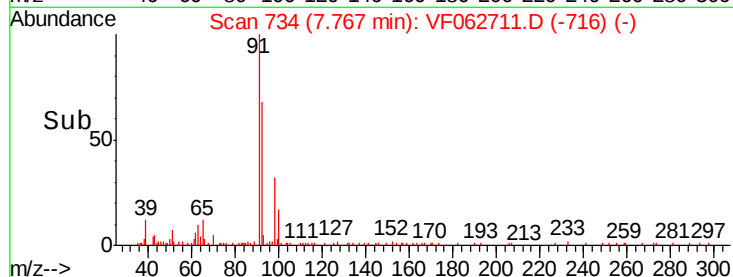
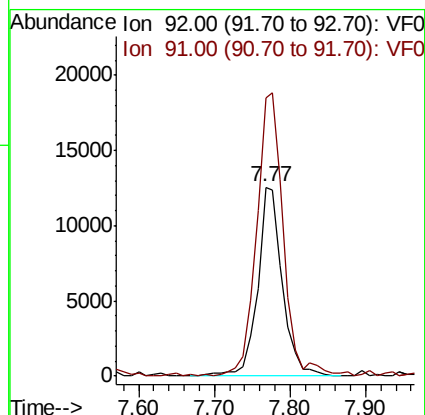
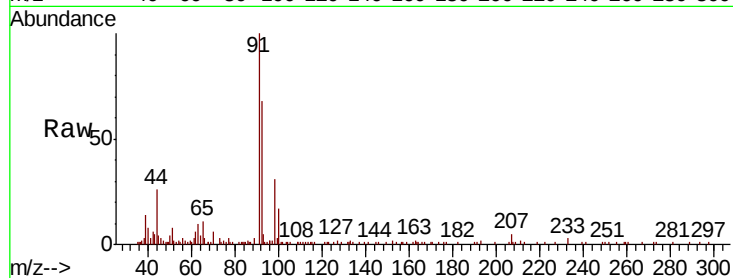
VOC-21

Tot Ion: 92 Resp: 28762

Ion Ratio Lower Upper

92 100

91 147.6 125.4 188.0



#59

2-Hexanone

Concen: Below Cal

RT: 9.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF062711.D

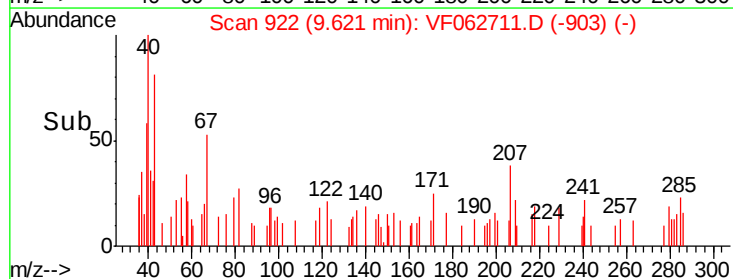
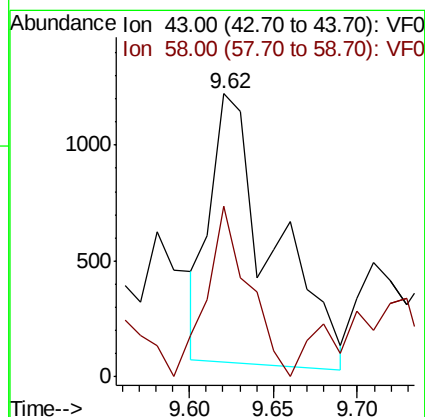
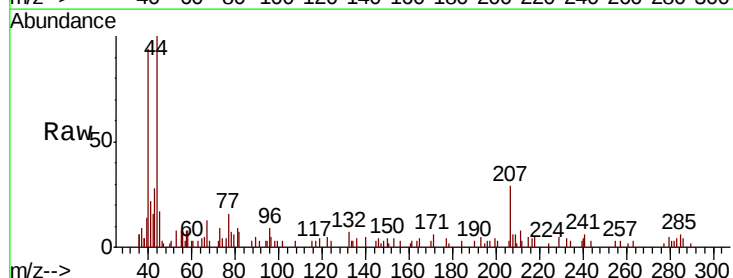
Acq: 22 May 2019 17:45

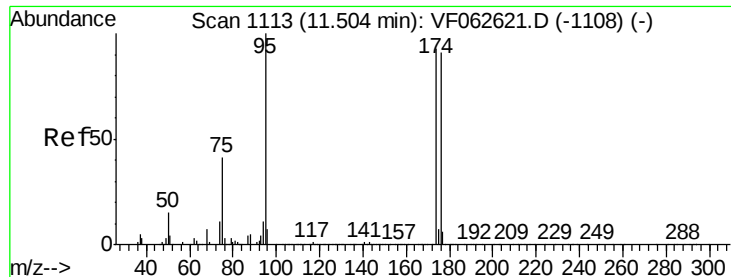
Tgt Ion: 43 Resp: 2958

Ion Ratio Lower Upper

43 100

58 60.5 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 30.272 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062711.D

Acq: 22 May 2019 17:45

Instrument :

MSVOA_F

ClientSampleId :

VOC-21

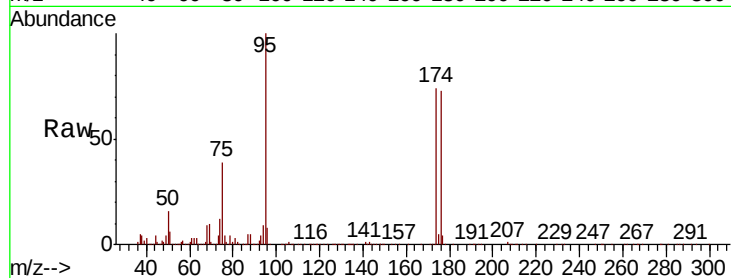
Tot Ion: 95 Resp: 265103

Ion Ratio Lower Upper

95 100

174 73.9 0.0 185.6

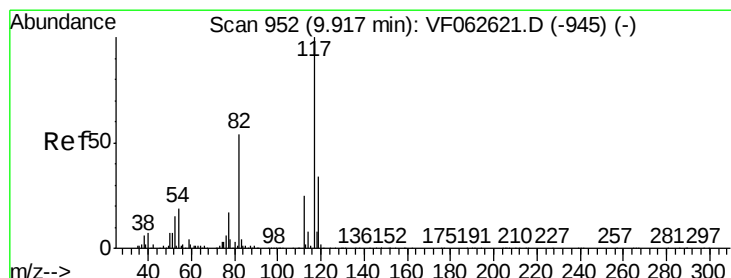
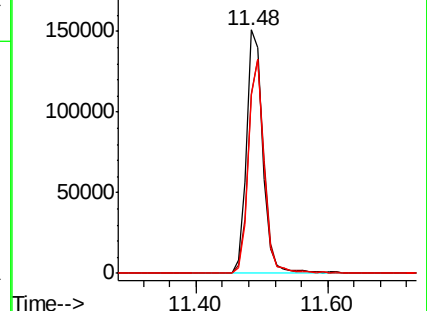
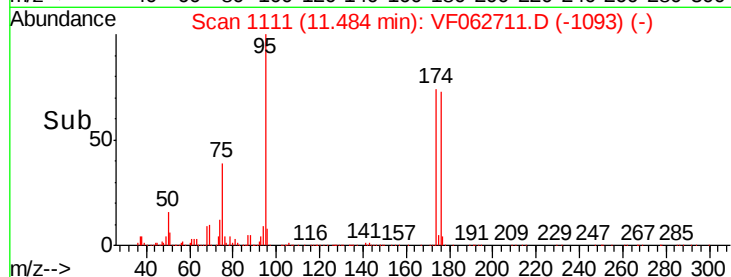
176 73.1 0.0 182.4



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: 9.90 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF062711.D

Acq: 22 May 2019 17:45

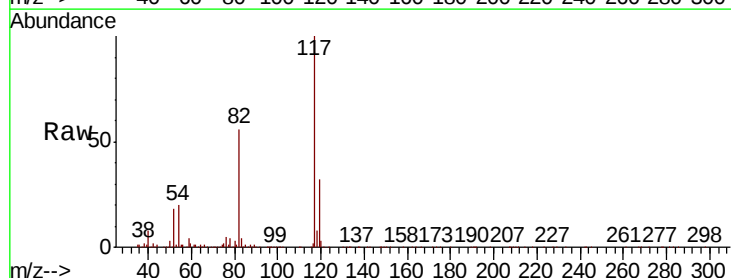
Tgt Ion: 117 Resp: 843988

Ion Ratio Lower Upper

117 100

82 55.8 43.3 64.9

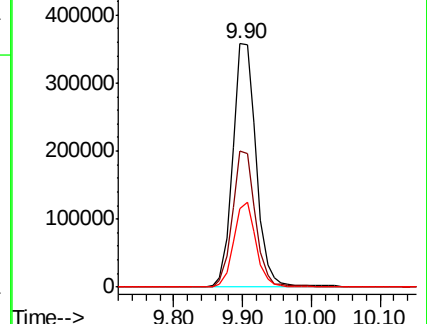
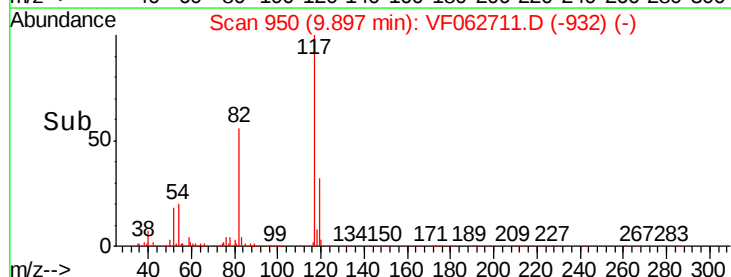
119 32.4 27.4 41.0

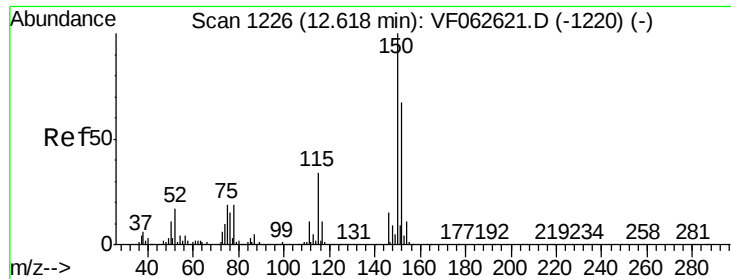


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



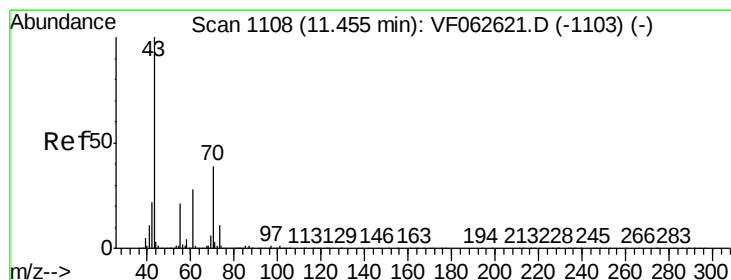
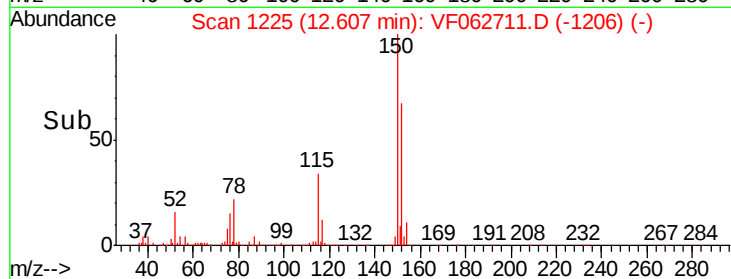
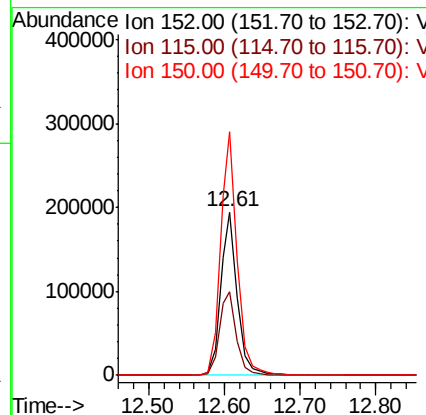
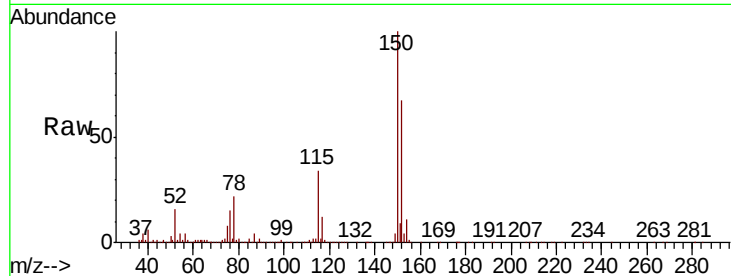


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

Instrument :
MSVOA_F
ClientSampleId :
VOC-21

Tot Ion	Ratio	Lower	Upper
152	100		
115	50.8	25.2	75.6
150	148.9	0.0	306.2



#74

N-amil acetate
Concen: Below Cal
RT: 11.43 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VF062711.D
Acq: 22 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	31.5	30.9	46.3
55	28.5	17.0	25.4#
61	18.8	22.6	34.0#

