

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062710.D
 Acq On : 22 May 2019 17:17
 Operator : FY/SY
 Sample : K3008-04
 Misc : 6.66q/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VOC-20

Quant Time: May 23 01:23:27 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	719456	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.77	114	1237538	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	856664	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	241528	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	227121	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	
35) Dibromofluoromethane	4.30	113	341030	36.01	ug/l	-0.02
Spiked Amount			Recovery	=	72.02%	
50) Toluene-d8	7.71	98	869197	38.44	ug/l	0.00
Spiked Amount			Recovery	=	76.88%	
62) 4-Bromofluorobenzene	11.48	95	228589	26.66	ug/l	-0.02
Spiked Amount			Recovery	=	53.32%	

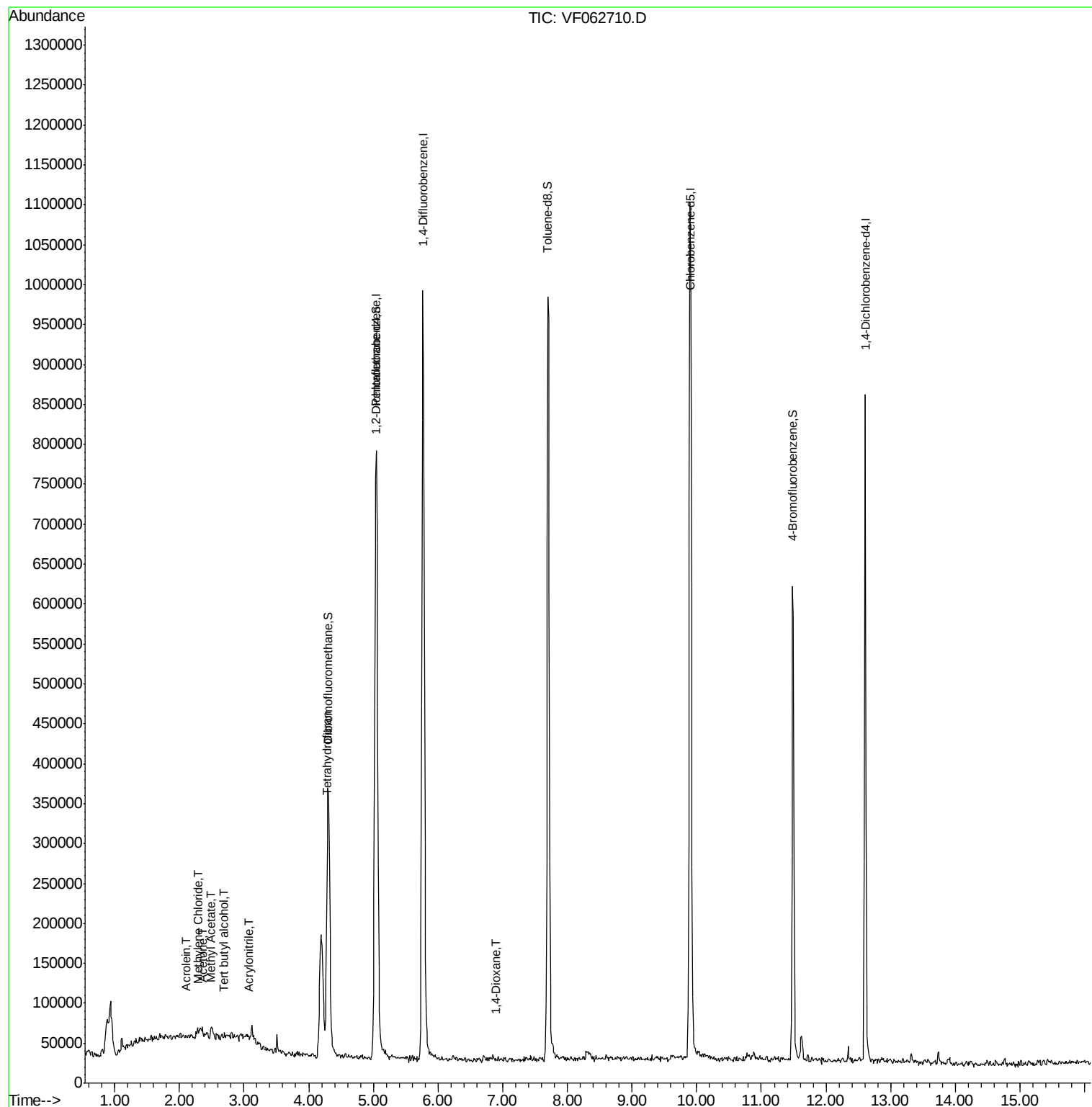
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	2430	7.240	ug/l #	1
13) Acrolein	2.09	56	1511	4.313	ug/l	96
15) Acrylonitrile	3.09	53	1145	1.209	ug/l #	37
16) Acetone	2.36	43	11138	8.445	ug/l #	73
18) Methyl Acetate	2.48	43	8635	4.166	ug/l #	58
20) Methylene Chloride	2.30	84	7911	1.197	ug/l #	62
29) Tetrahydrofuran	4.28	42	2708	2.375	ug/l #	69
49) 1,4-Dioxane	6.89	88	145	3.229	ug/l #	1
59) 2-Hexanone	9.62	43	2732	Below Cal		72
74) N-amyl acetate	11.48	43	2919	Below Cal	#	1

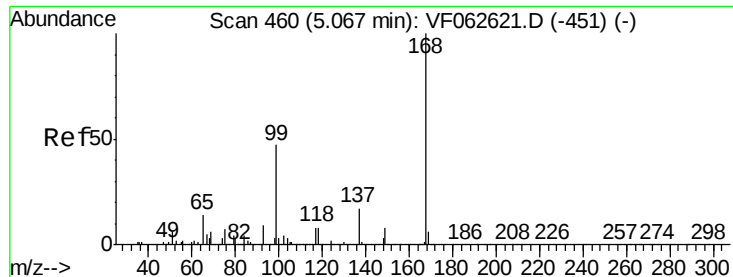
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.05 min Scan# 458

Delta R.T. -0.02 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

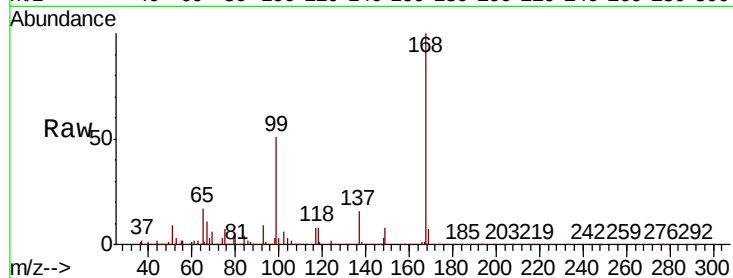
VOC-20

Tot Ion:168 Resp: 719456

Ion Ratio Lower Upper

168 100

99 51.0 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

250000

200000

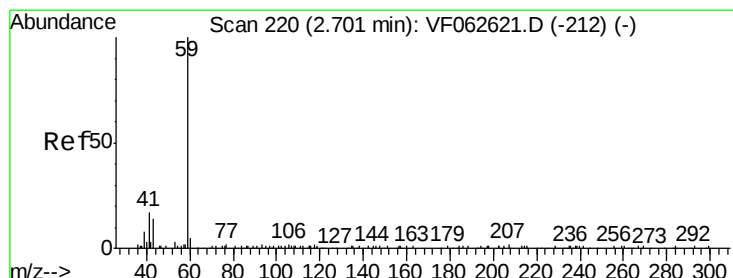
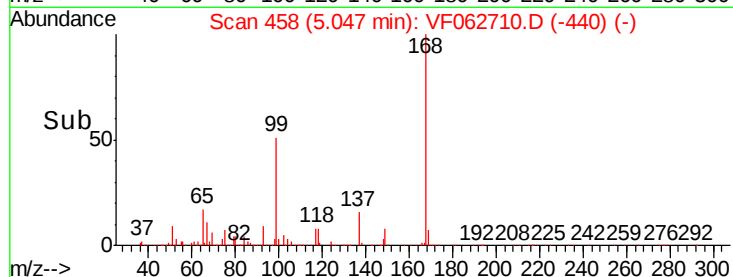
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.240 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062710.D

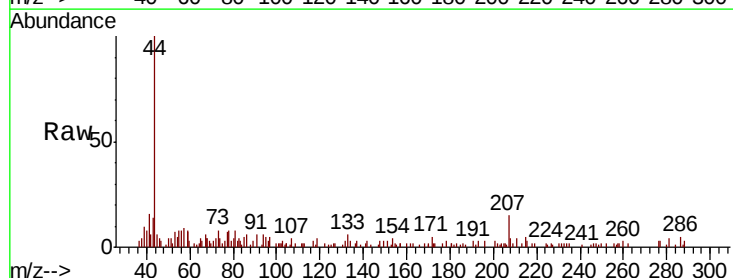
Acq: 22 May 2019 17:17

Tgt Ion: 59 Resp: 2430

Ion Ratio Lower Upper

59 100

57 62.6 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

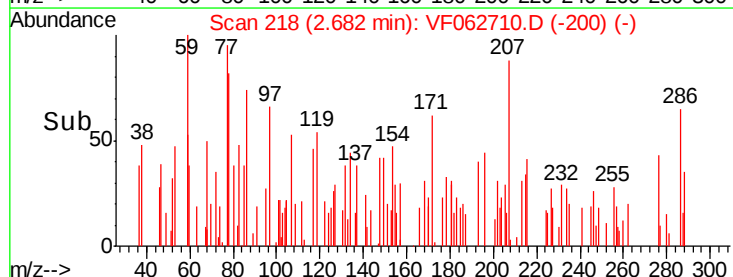
1500

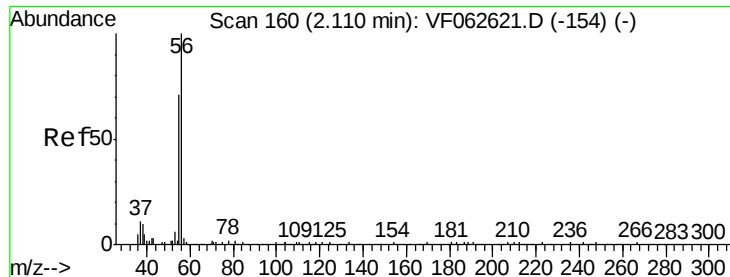
1000

500

0

Time-->





#13

Acrolein

Concen: 4.313 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

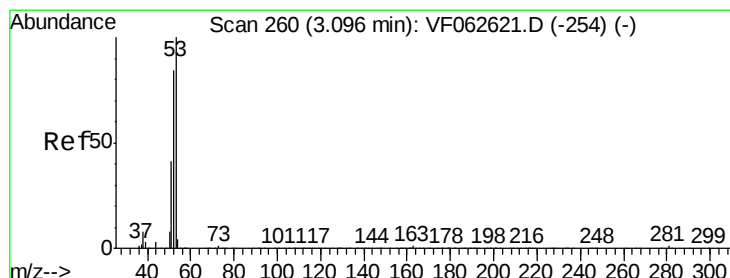
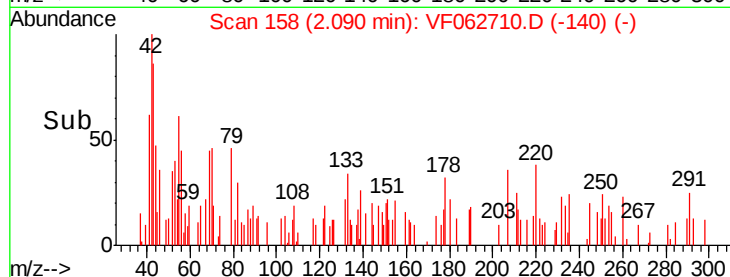
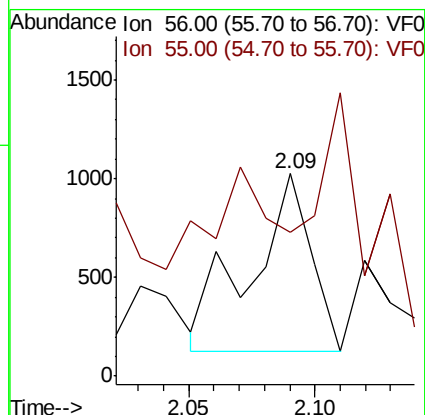
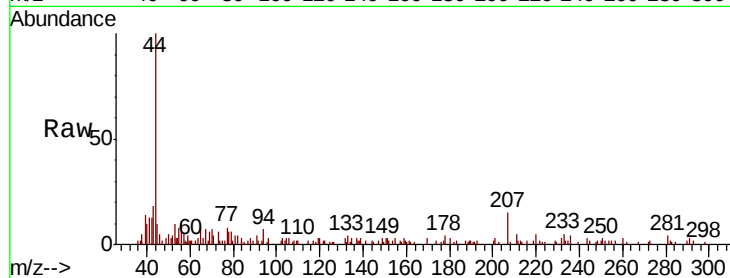
VOC-20

Tot Ion: 56 Resp: 1511

Ion Ratio Lower Upper

56 100

55 71.0 59.4 89.0



#15

Acrylonitrile

Concen: 1.209 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.01 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

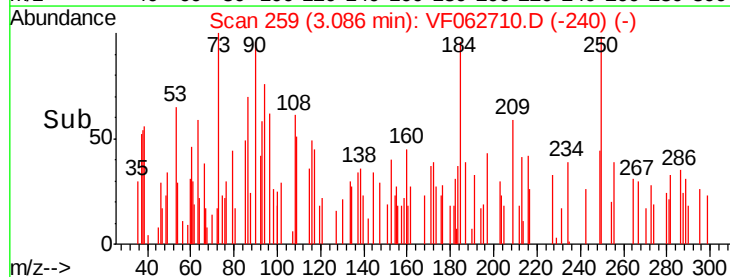
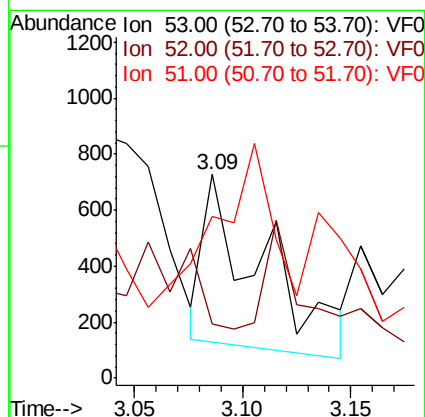
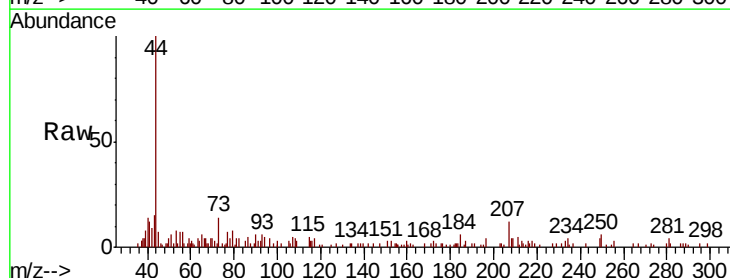
Tgt Ion: 53 Resp: 1145

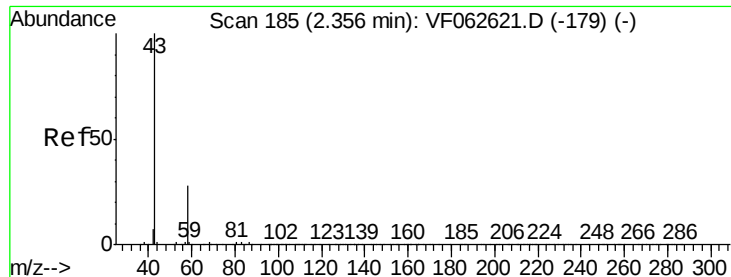
Ion Ratio Lower Upper

53 100

52 26.6 67.3 100.9#

51 79.5 33.0 49.6#





#16

Acetone

Concen: 8.445 ug/l

RT: 2.36 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

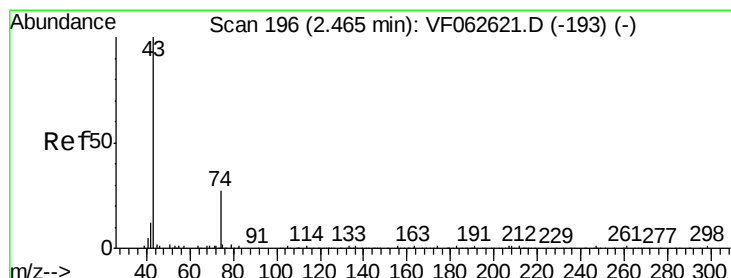
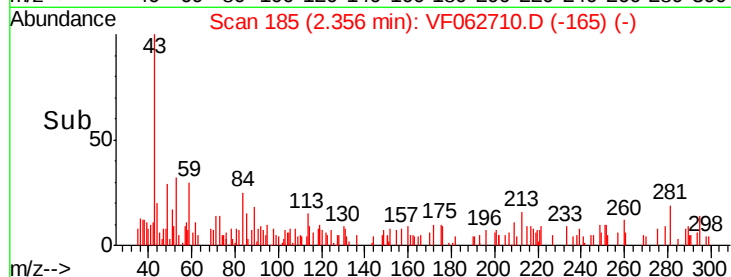
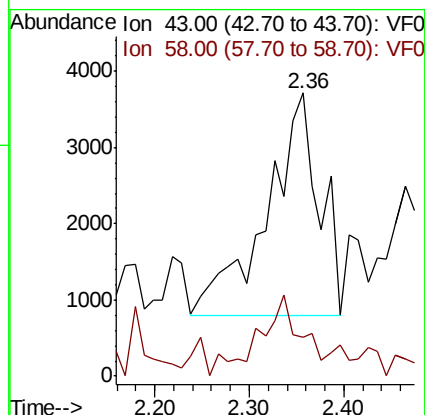
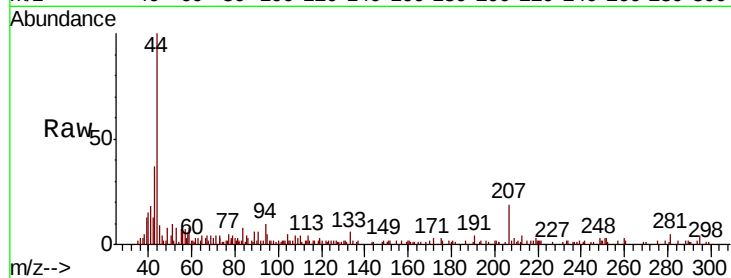
VOC-20

Tot Ion: 43 Resp: 11138

Ion Ratio Lower Upper

43 100

58 14.0 22.6 33.8#



#18

Methyl Acetate

Concen: 4.166 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF062710.D

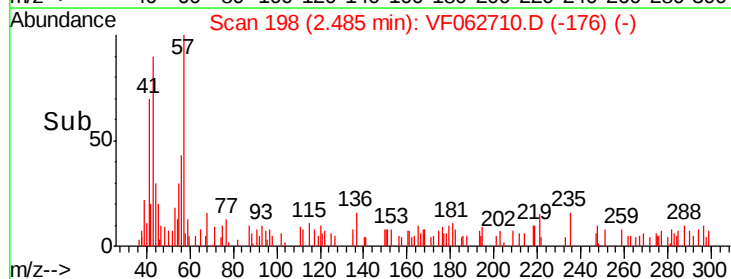
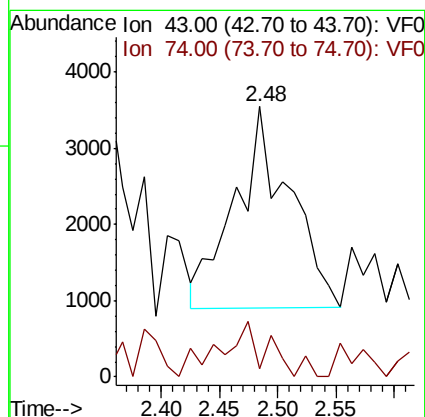
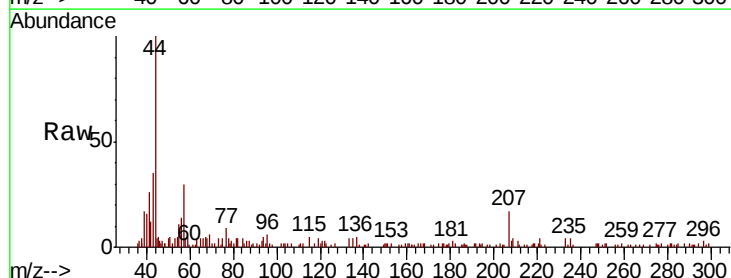
Acq: 22 May 2019 17:17

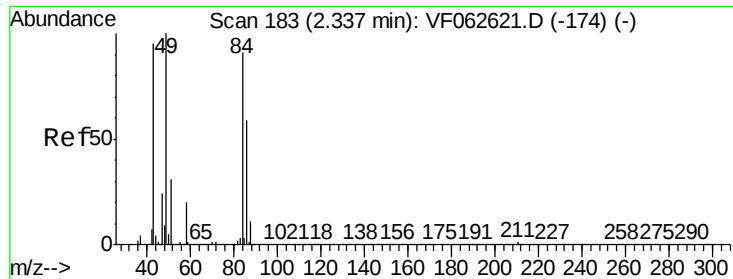
Tgt Ion: 43 Resp: 8635

Ion Ratio Lower Upper

43 100

74 2.9 18.9 28.3#

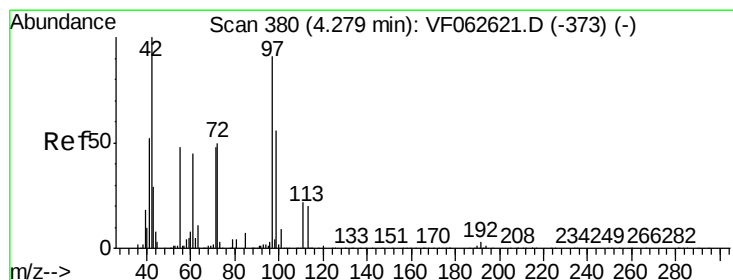
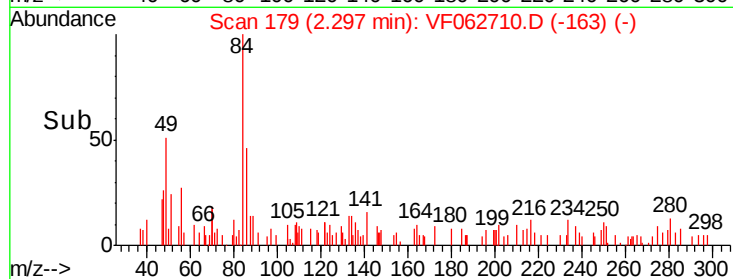
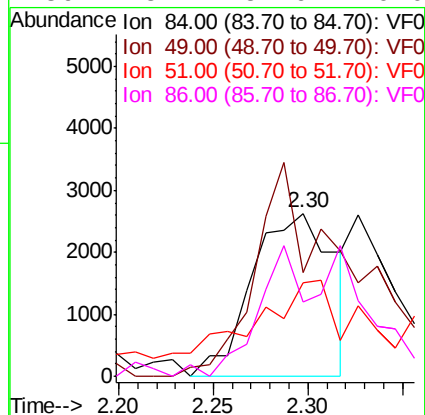
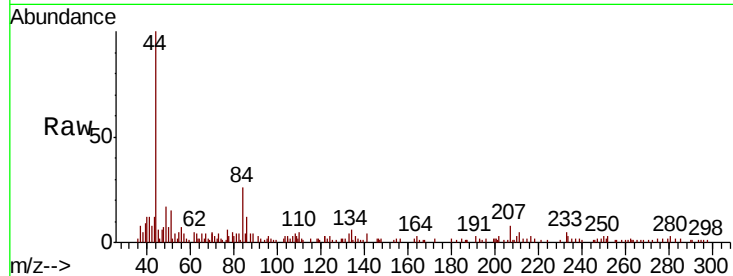




#20
Methvlene Chloride
Concen: 1.197 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062710.D
Acq: 22 May 2019 17:17

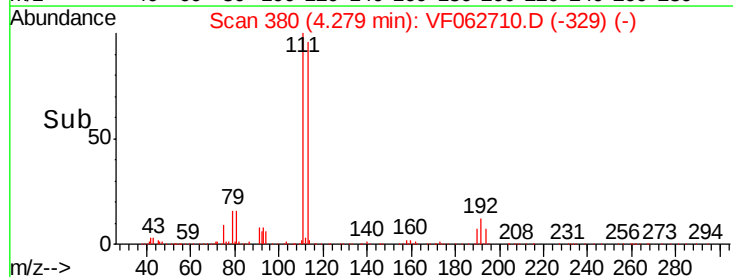
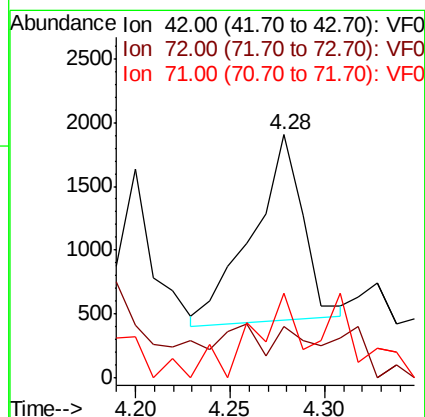
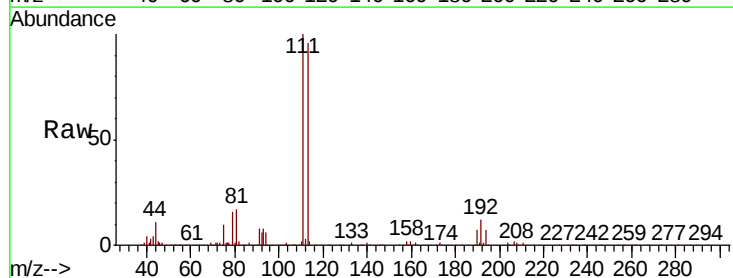
Instrument :
MSVOA_F
ClientSampleId :
VOC-20

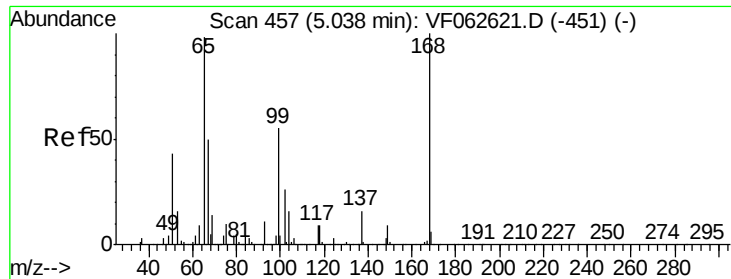
Tot Ion:	84	Resp:	7911
Ion	Ratio	Lower	Upper
84	100		
49	63.7	89.8	134.8#
51	57.6	28.4	42.6#
86	45.7	52.6	79.0#



#29
Tetrahydrofuran
Concen: 2.375 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062710.D
Acq: 22 May 2019 17:17

Tgt Ion:	42	Resp:	2708
Ion	Ratio	Lower	Upper
42	100		
72	10.0	38.2	57.2#
71	47.2	35.8	53.6

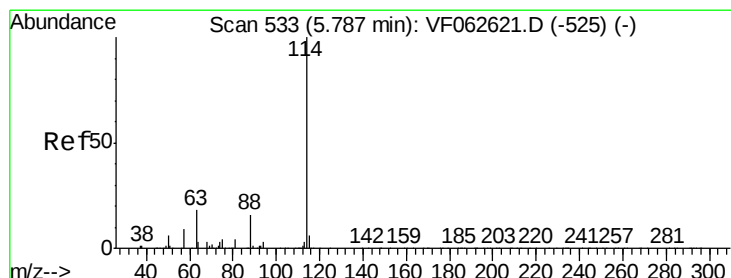
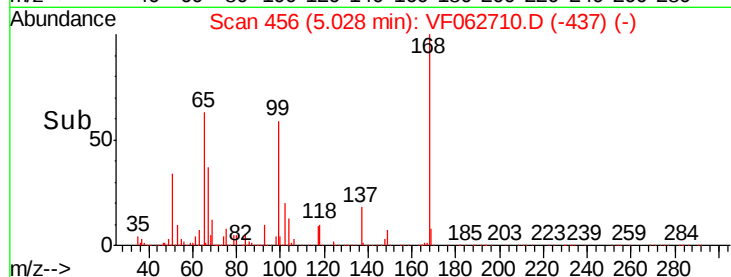
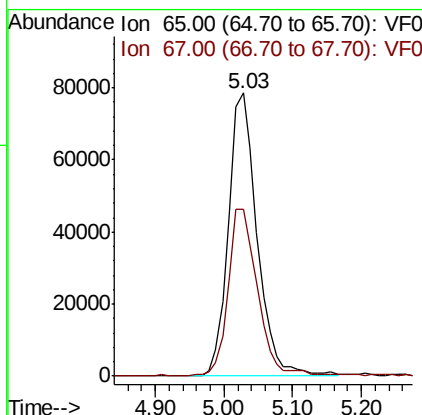
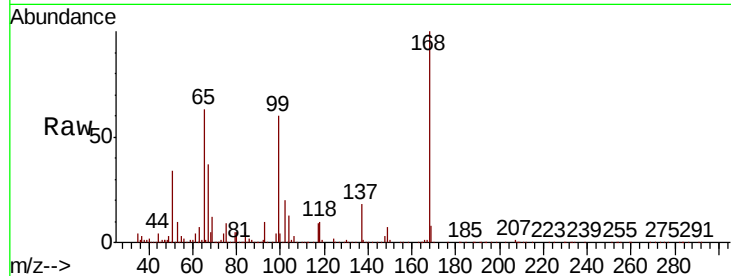




#33
 1,2-Dichloroethane-d4
 Concen: 44.673 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: VF062710.D
 Acq: 22 May 2019 17:17

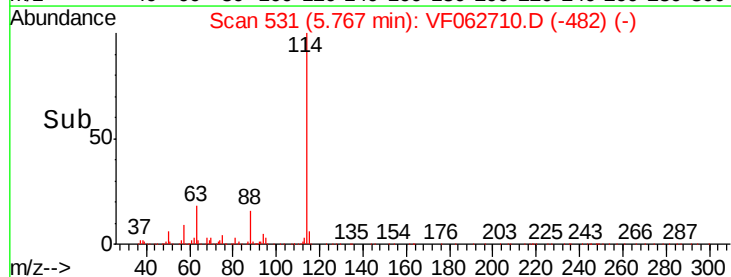
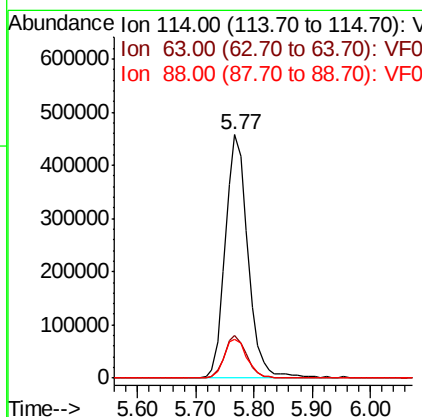
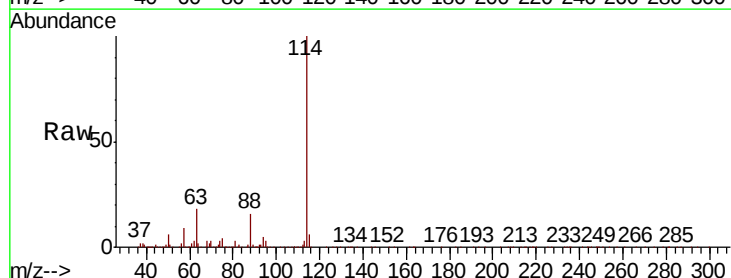
Instrument :
 MSVOA_F
 ClientSampled :
 VOC-20

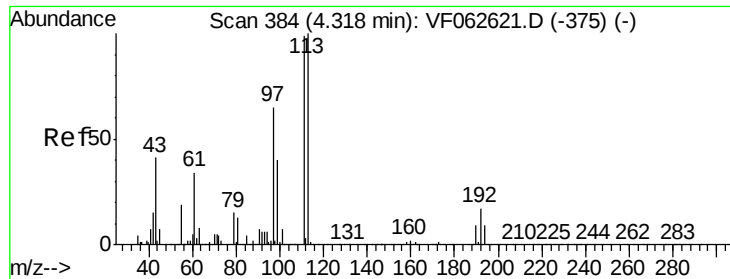
Tot Ion: 65 Resp: 227121
 Ion Ratio Lower Upper
 65 100
 67 59.1 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF062710.D
 Acq: 22 May 2019 17:17

Tgt Ion: 114 Resp: 1237538
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.4
 88 16.0 0.0 32.4

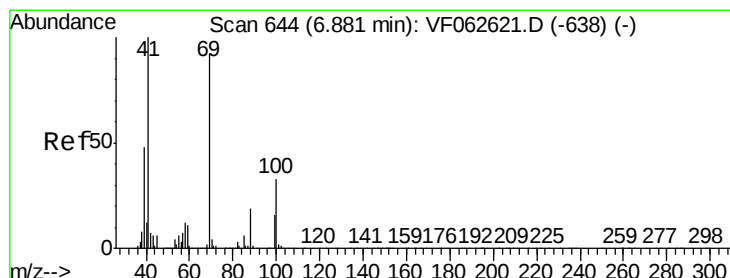
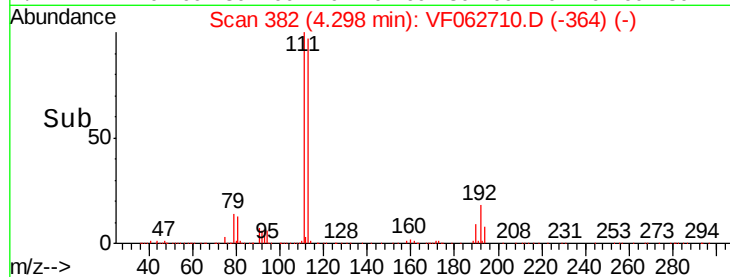
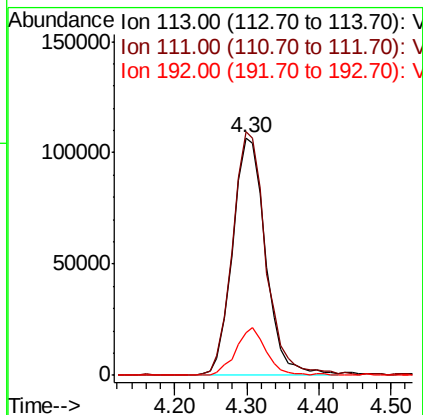
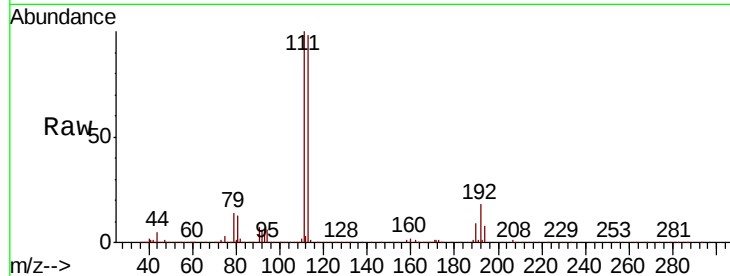




#35
 Dibromofluoromethane
 Concen: 36.013 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.02 min
 Lab File: VF062710.D
 Acq: 22 May 2019 17:17

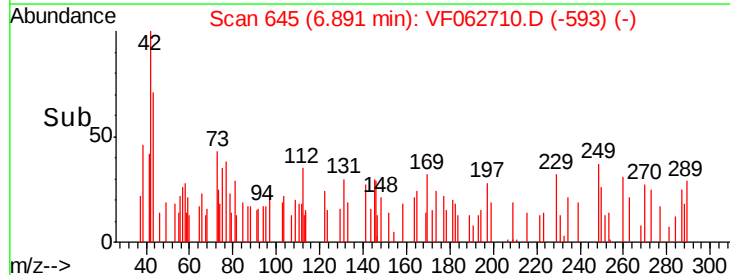
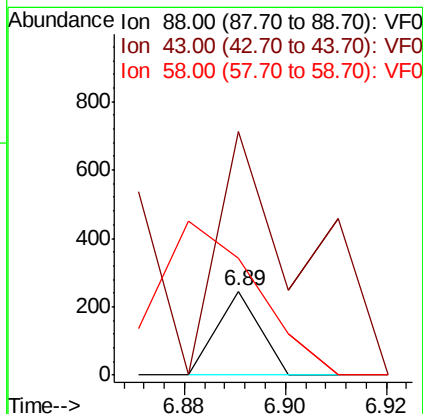
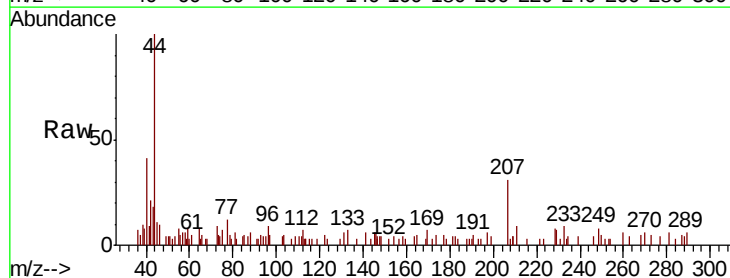
Instrument :
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 ClientSampleId :
 VOC-20

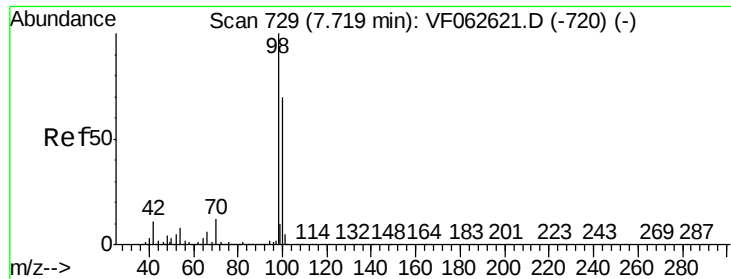
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	79.4	119.2
192	18.1	13.4	20.2



#49
 1,4-Dioxane
 Concen: 3.229 ug/l
 RT: 6.89 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VF062710.D
 Acq: 22 May 2019 17:17

Tgt Ion	Ratio	Lower	Upper
88	100		
43	289.4	30.0	45.0#
58	139.4	51.1	76.7#





#50

Toluene-d8

Concen: 38.443 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

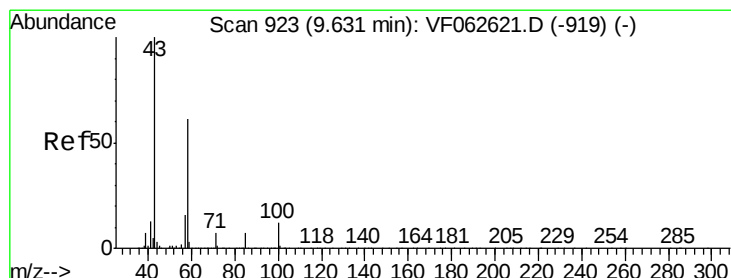
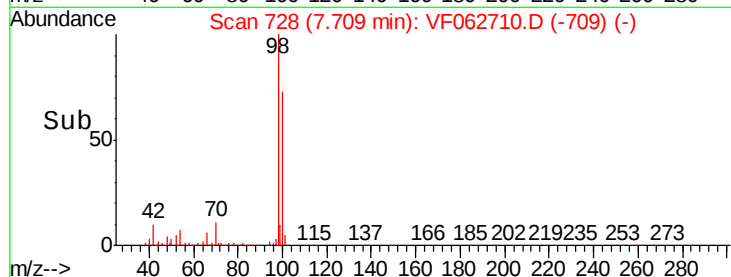
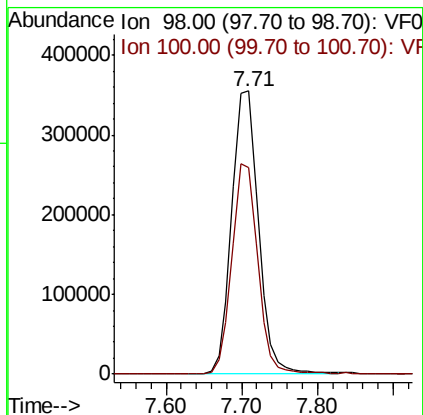
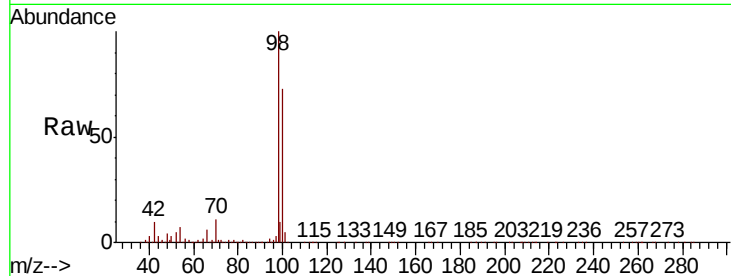
VOC-20

Tot Ion: 98 Resp: 869197

Ion Ratio Lower Upper

98 100

100 73.2 56.2 84.2



#59

2-Hexanone

Concen: Below Cal

RT: 9.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF062710.D

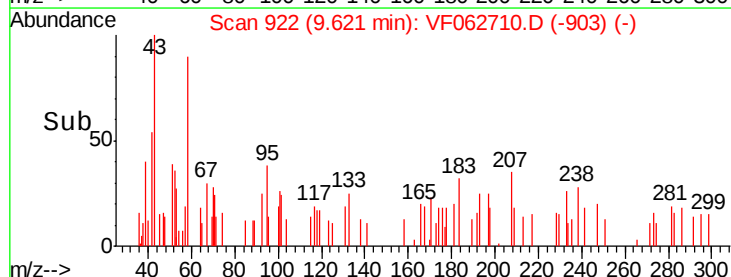
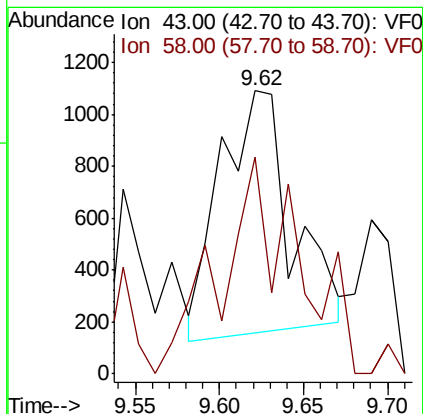
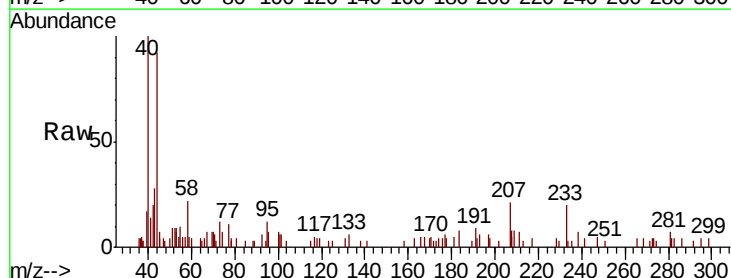
Acq: 22 May 2019 17:17

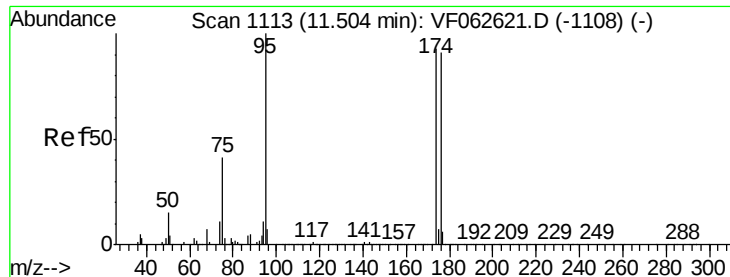
Tgt Ion: 43 Resp: 2732

Ion Ratio Lower Upper

43 100

58 76.4 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 26.657 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

Instrument :

MSVOA_F

ClientSampleId :

VOC-20

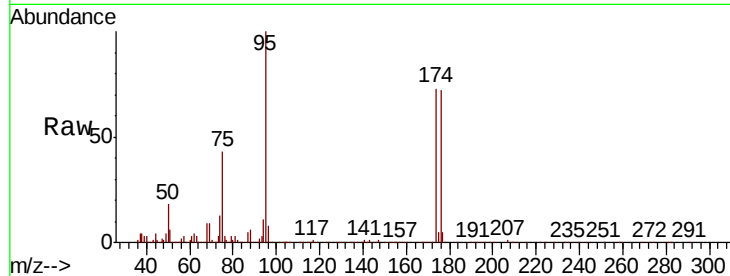
Tot Ion: 95 Resp: 228589

Ion Ratio Lower Upper

95 100

174 72.8 0.0 185.6

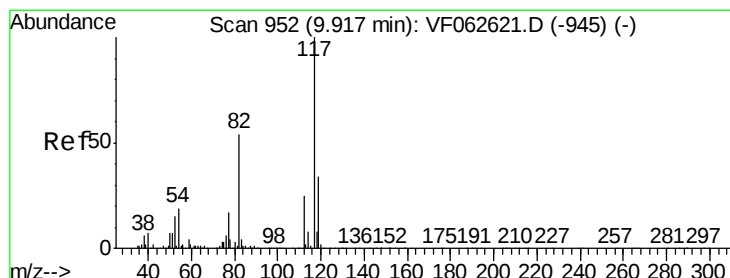
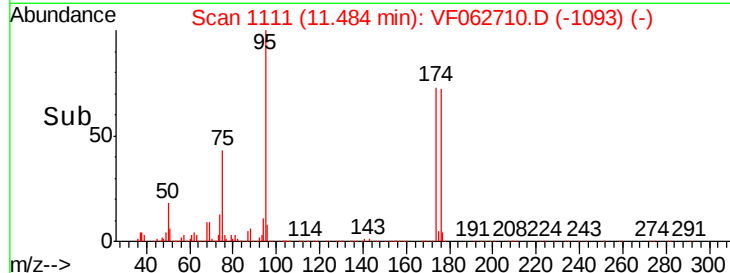
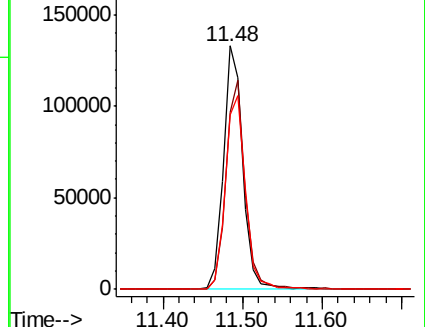
176 71.7 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF062710.D

Acq: 22 May 2019 17:17

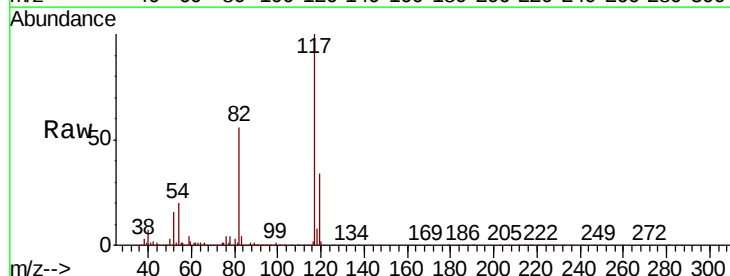
Tgt Ion: 117 Resp: 856664

Ion Ratio Lower Upper

117 100

82 56.2 43.3 64.9

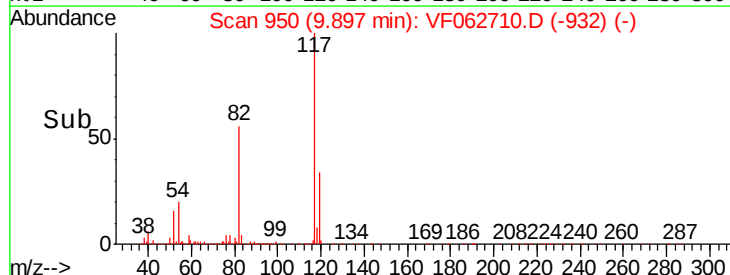
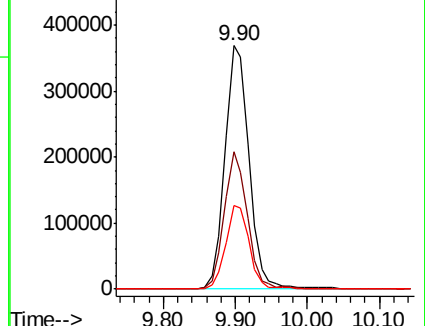
119 34.2 27.4 41.0

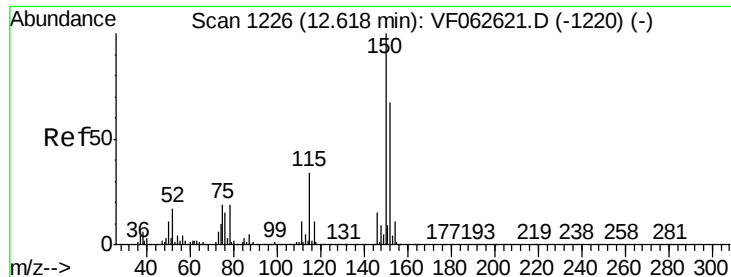


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



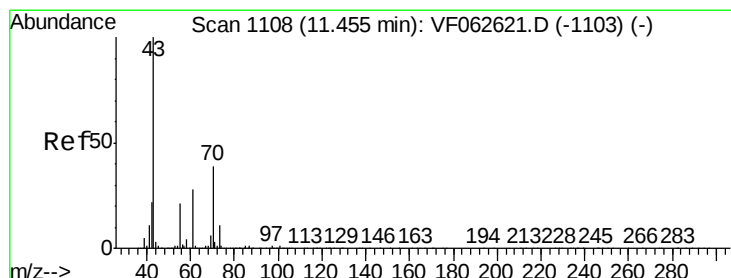
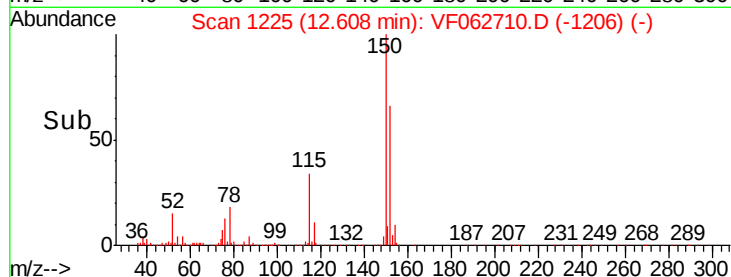
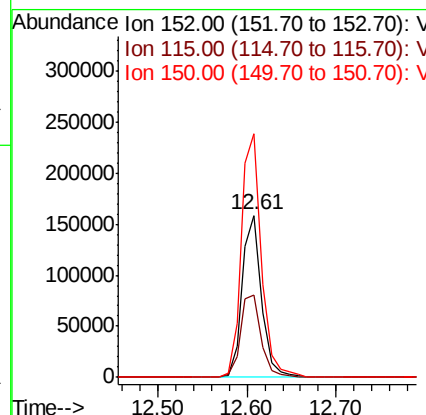
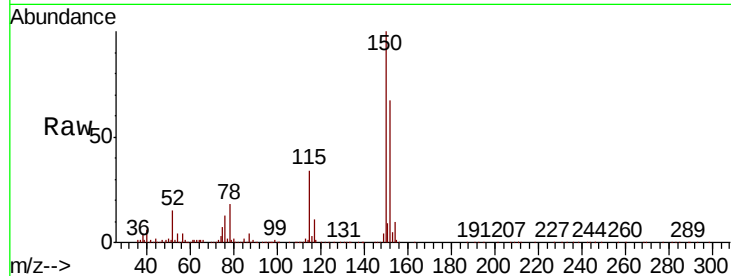


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062710.D
Acq: 22 May 2019 17:17

Instrument :
MSVOA_F
ClientSampleId :
VOC-20

Tot Ion:152 Resp: 241528
Ion Ratio Lower Upper
152 100
115 50.8 25.2 75.6
150 150.3 0.0 306.2



#74

N-ethyl acetate
Concen: Below Cal
RT: 11.48 min Scan# 1111
Delta R.T. 0.03 min
Lab File: VF062710.D
Acq: 22 May 2019 17:17

Tgt Ion: 43 Resp: 2919
Ion Ratio Lower Upper
43 100
70 151.5 30.9 46.3#
55 87.4 17.0 25.4#
61 650.1 22.6 34.0#

