

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
 Data File : VF062665.D
 Acq On : 20 May 2019 17:21
 Operator : FY/SY
 Sample : K2894-15
 Misc : 5.09g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03-5-6

Quant Time: May 20 17:42:50 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	5.08	168	755841	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.80	114	1193716	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.93	117	665150	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	220513	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	172940	32.38	ug/l	0.01
Spiked Amount 50.000			Recovery	=	64.76%	
35) Dibromofluoromethane	4.33	113	336815	36.87	ug/l	0.01
Spiked Amount 50.000			Recovery	=	73.74%	
50) Toluene-d8	7.73	98	652134	29.90	ug/l	0.01
Spiked Amount 50.000			Recovery	=	59.80%	
62) 4-Bromofluorobenzene	11.51	95	167821	20.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.58%	

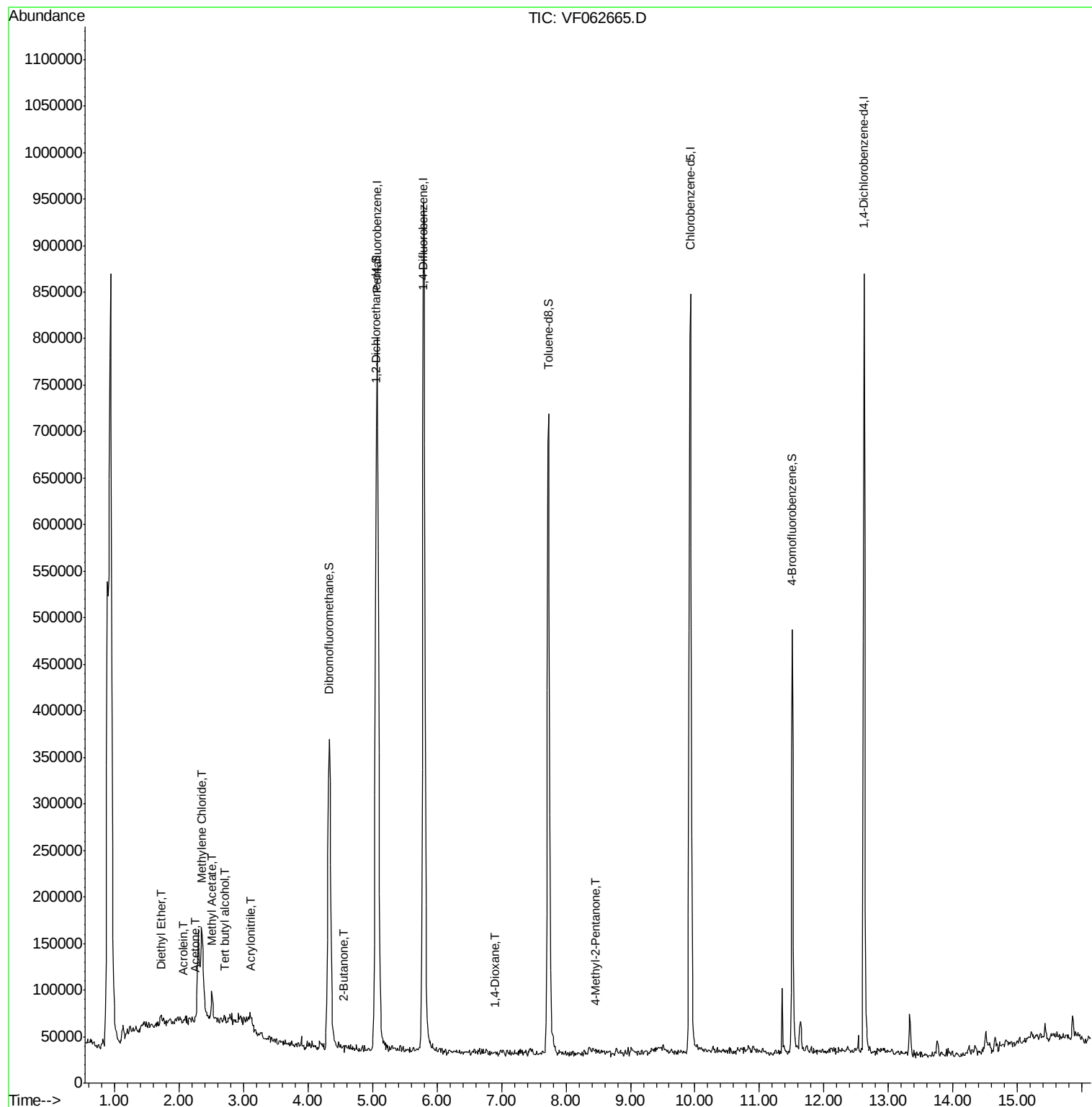
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.72	74	3960	1.708	ug/l	93
11) Tert butyl alcohol	2.71	59	2459	6.973	ug/l #	1
13) Acrolein	2.06	56	1260	3.423	ug/l #	35
15) Acrylonitrile	3.12	53	998	1.003	ug/l #	62
16) Acetone	2.24	43	2495	1.801	ug/l	95
18) Methyl Acetate	2.51	43	12919	5.933	ug/l #	65
20) Methylene Chloride	2.35	84	76795	11.057	ug/l	90
25) 2-Butanone	4.56	43	2997	1.012	ug/l #	67
49) 1,4-Dioxane	6.90	88	578	13.344	ug/l #	1
51) 4-Methyl-2-Pentanone	8.44	43	5377	1.216	ug/l #	46
59) 2-Hexanone	9.64	43	3144	Below Cal		92
74) N-amyl acetate	11.47	43	2882	Below Cal	#	82

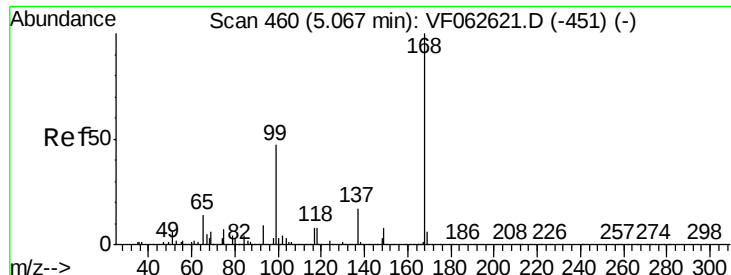
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

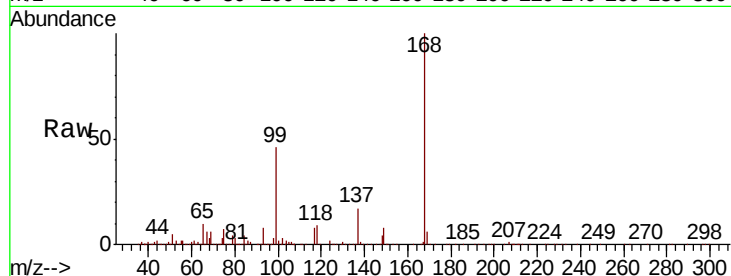
SB-03-5-6

Tgt Ion:168 Resp: 755841

Ion Ratio Lower Upper

168 100

99 45.8 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

250000

200000

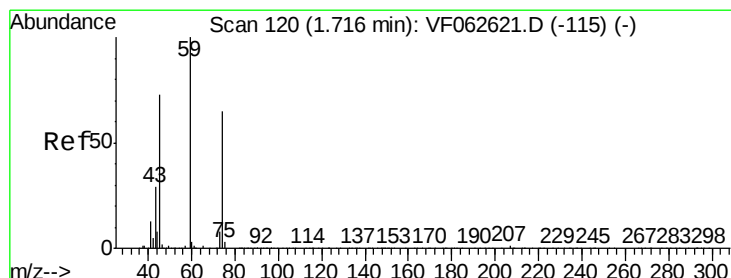
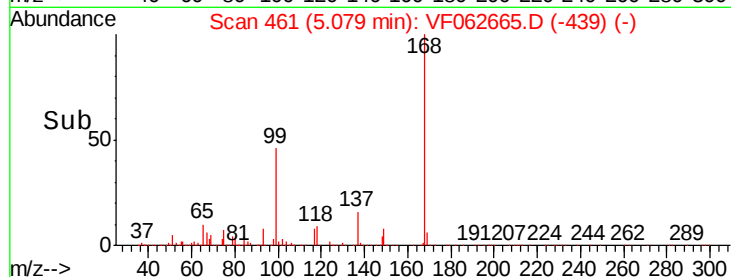
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#8

Diethyl Ether

Concen: 1.708 ug/l

RT: 1.72 min Scan# 120

Delta R.T. 0.00 min

Lab File: VF062665.D

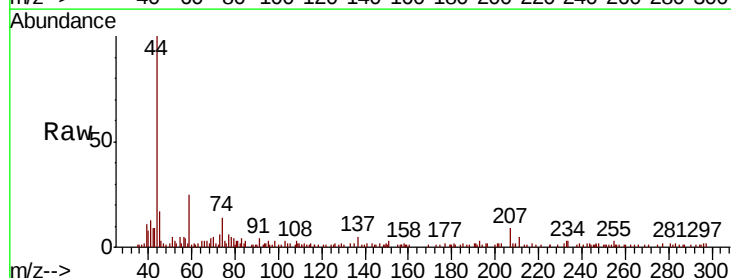
Acq: 20 May 2019 17:21

Tgt Ion: 74 Resp: 3960

Ion Ratio Lower Upper

74 100

45 121.1 57.0 170.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

3000

2500

2000

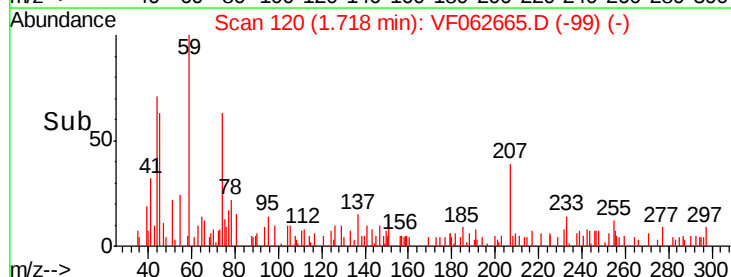
1500

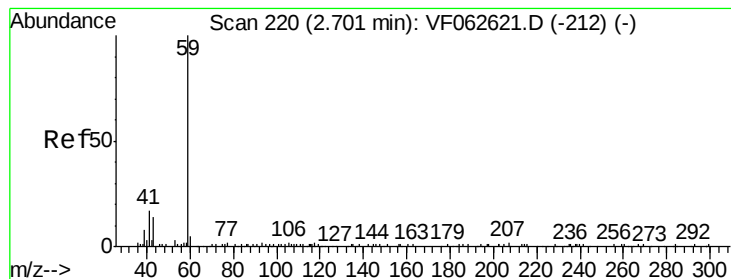
1000

500

0

Time--> 1.65 1.70 1.75



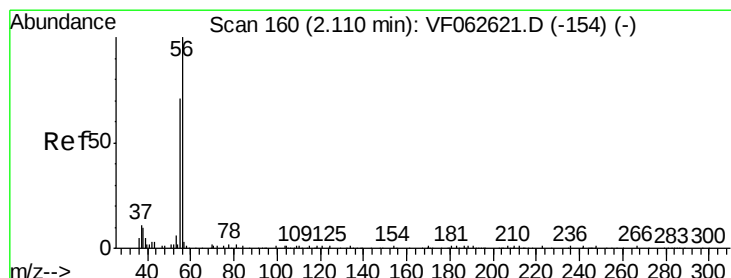
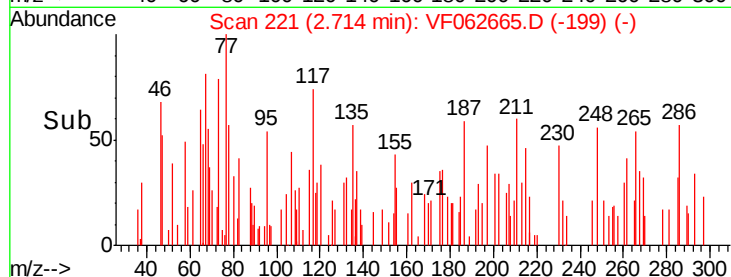
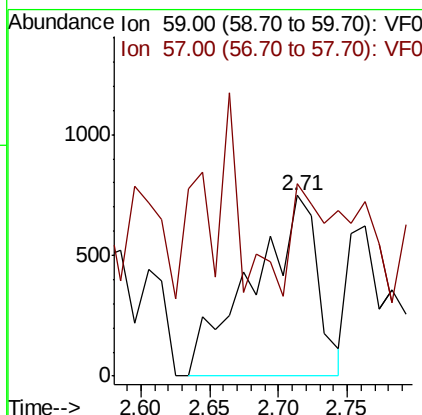
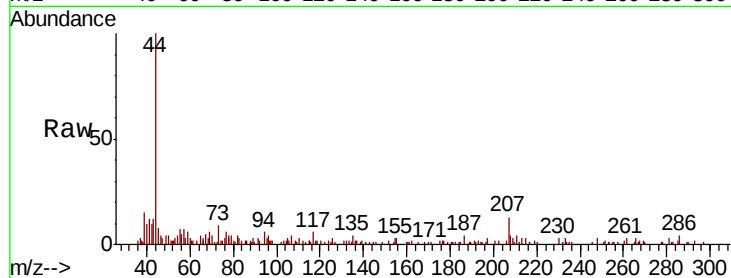


#11

Tert butyl alcohol
Concen: 6.973 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

Instrument :
MSVOA_F
ClientSampleId :
SB-03-5-6

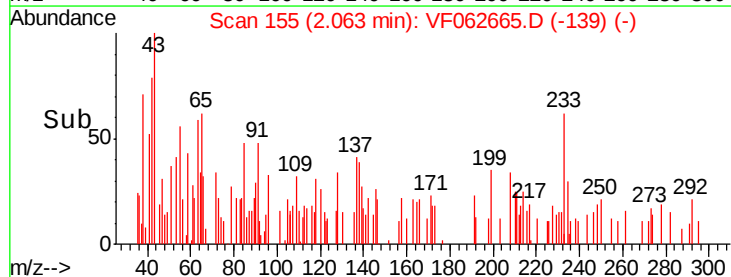
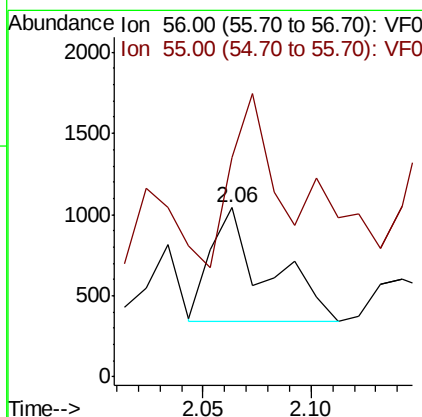
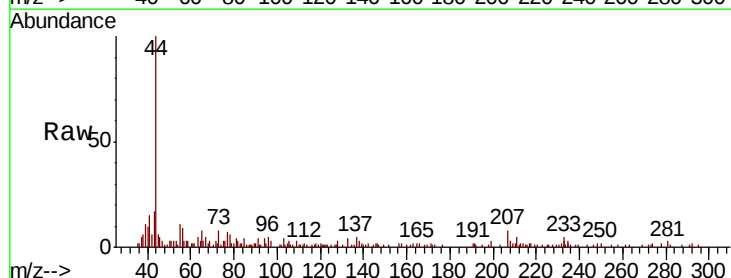
Tgt Ion: 59 Resp: 2459
Ion Ratio Lower Upper
59 100
57 106.3 9.3 13.9#

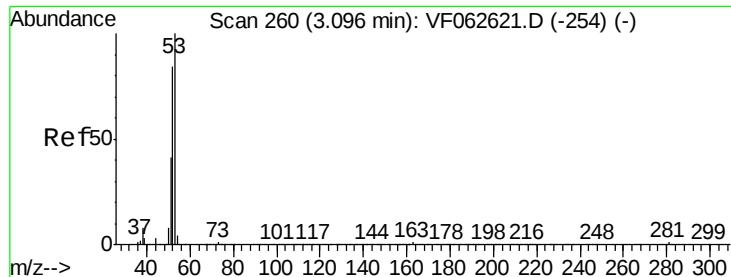


#13

Acrolein
Concen: 3.423 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.05 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

Tgt Ion: 56 Resp: 1260
Ion Ratio Lower Upper
56 100
55 129.5 59.4 89.0#





#15

Acrylonitrile

Concen: 1.003 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

Instrument :

MSVOA_F

ClientSampled :

SB-03-5-6

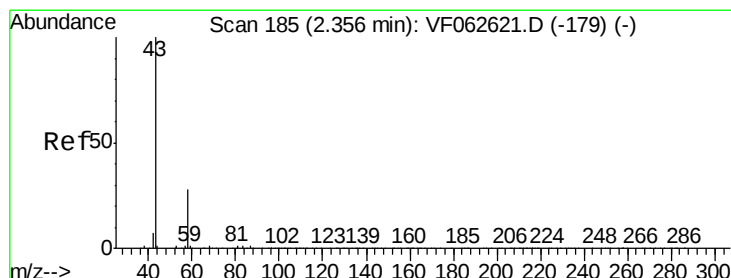
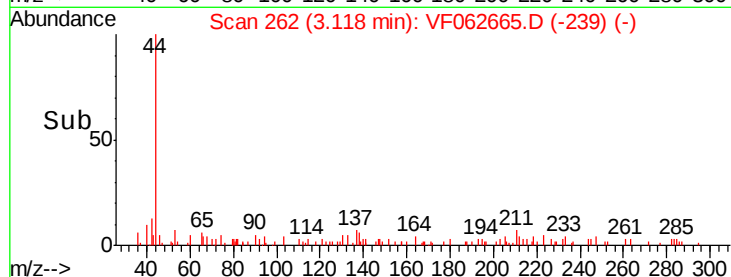
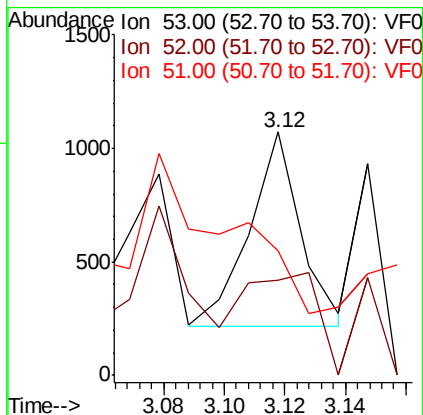
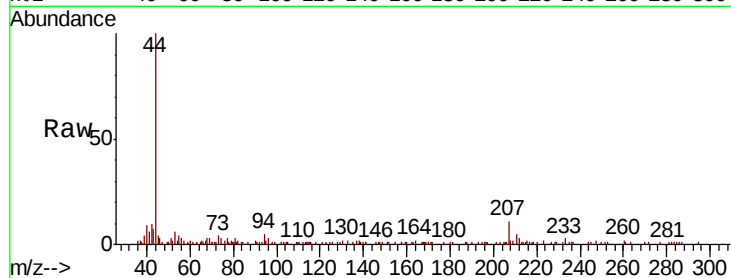
Tgt Ion: 53 Resp: 998

Ion Ratio Lower Upper

53 100

52 39.0 67.3 100.9#

51 51.0 33.0 49.6#



#16

Acetone

Concen: 1.801 ug/l

RT: 2.24 min Scan# 173

Delta R.T. -0.12 min

Lab File: VF062665.D

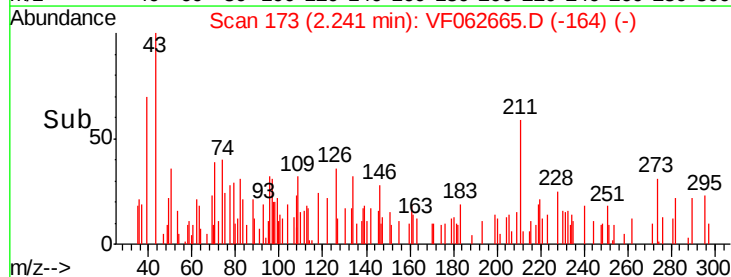
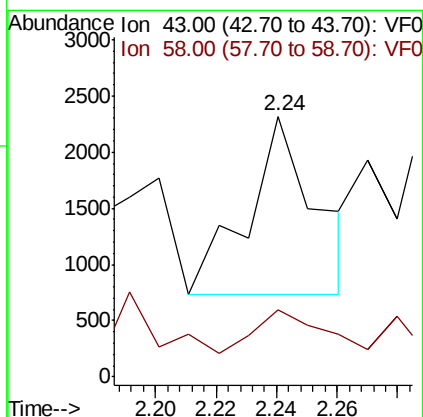
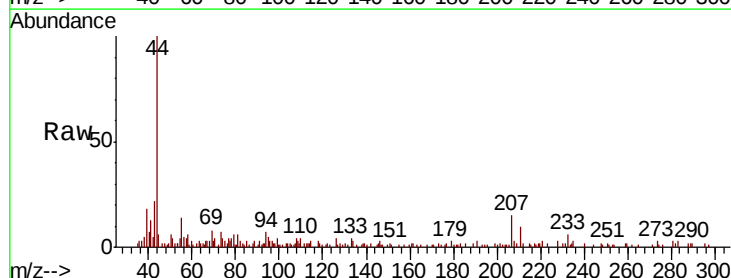
Acq: 20 May 2019 17:21

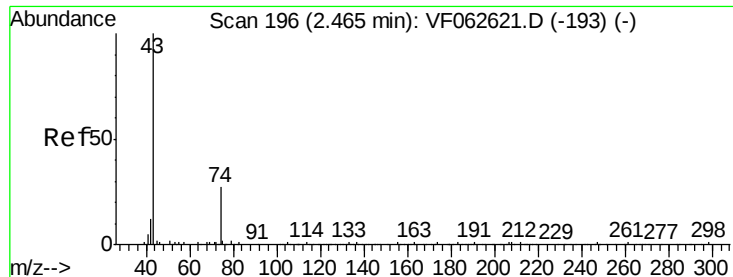
Tgt Ion: 43 Resp: 2495

Ion Ratio Lower Upper

43 100

58 25.6 22.6 33.8

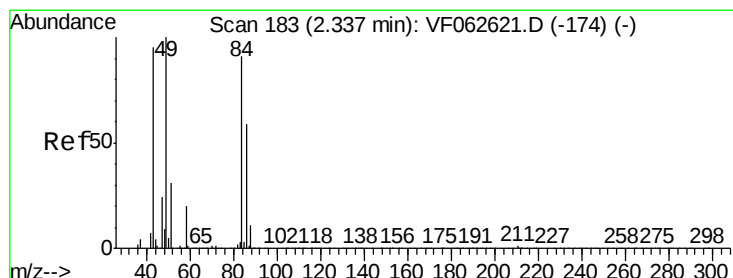
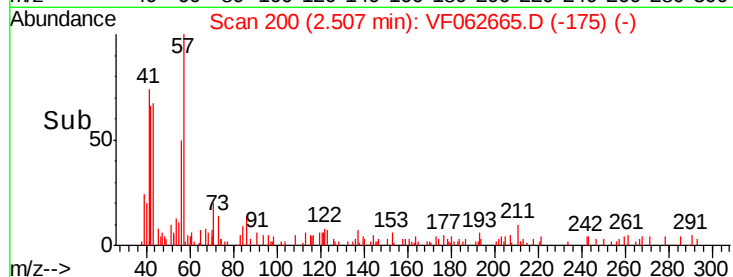
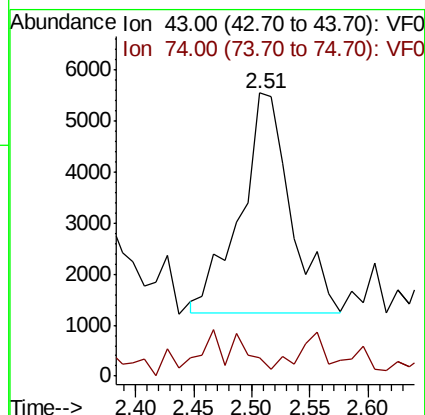
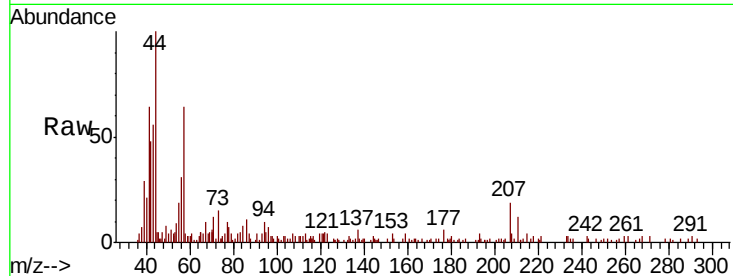




#18
Methyl Acetate
Concen: 5.933 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

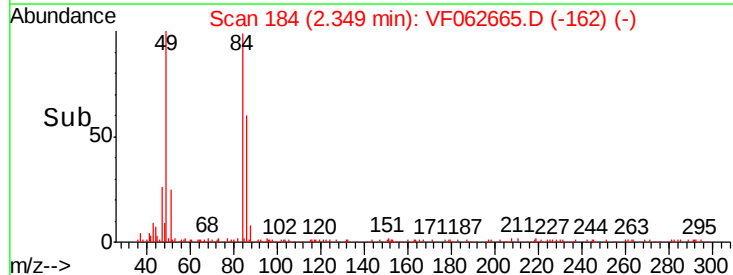
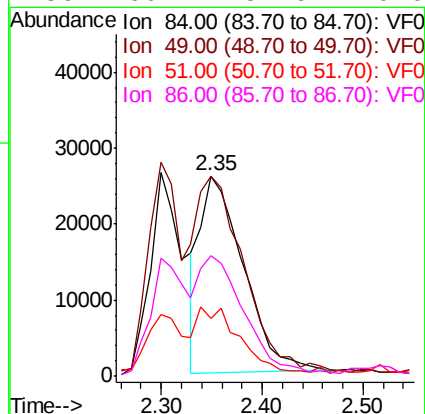
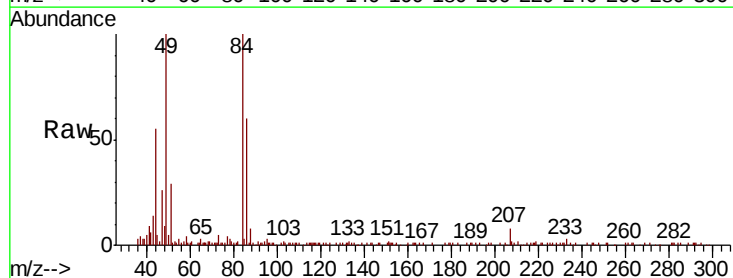
Instrument :
MSVOA_F
ClientSampleId :
SB-03-5-6

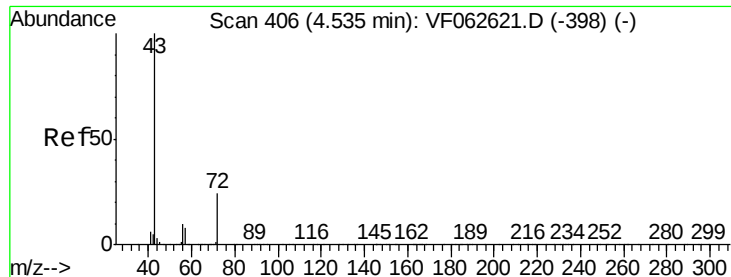
Tgt Ion: 43 Resp: 12919
Ion Ratio Lower Upper
43 100
74 6.5 18.9 28.3#



#20
Methylene Chloride
Concen: 11.057 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

Tgt Ion: 84 Resp: 76795
Ion Ratio Lower Upper
84 100
49 99.8 89.8 134.8
51 28.6 28.4 42.6
86 60.1 52.6 79.0

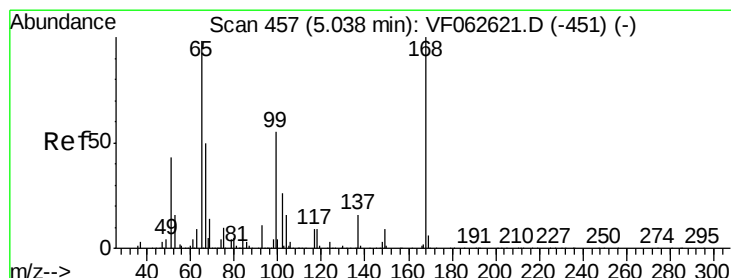
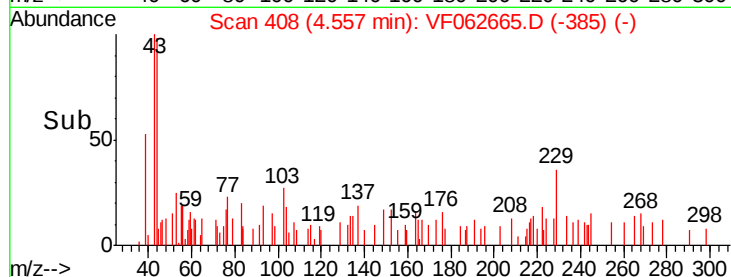
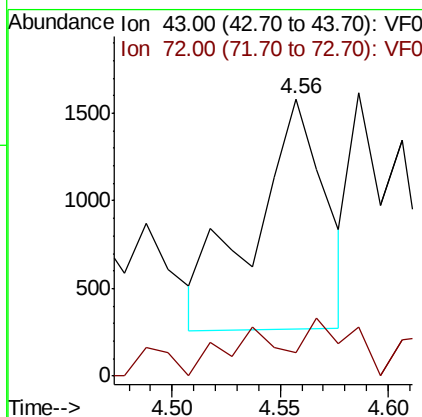
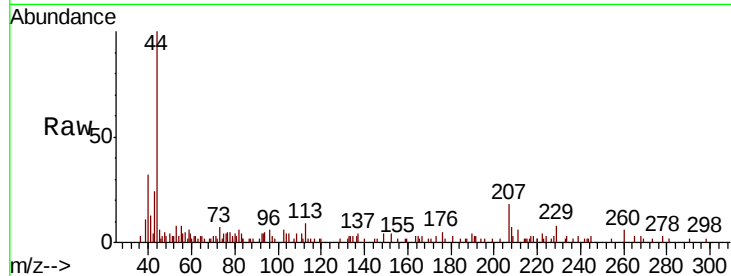




#25
2-Butanone
Concen: 1.012 ug/l
RT: 4.56 min Scan# 408
Delta R.T. 0.02 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

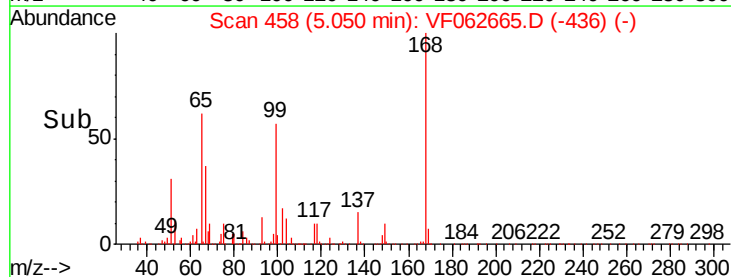
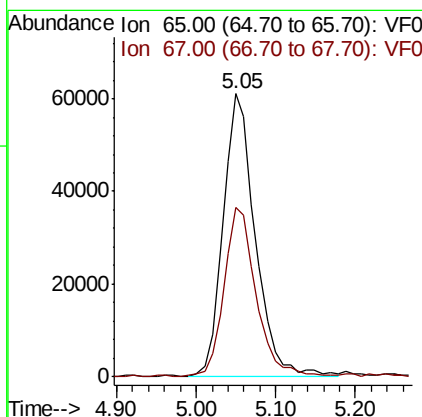
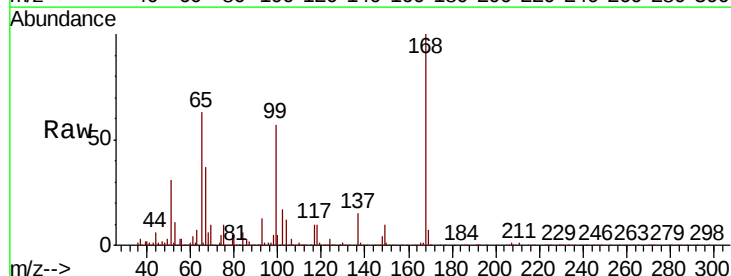
Instrument :
MSVOA_F
ClientSampleId :
SB-03-5-6

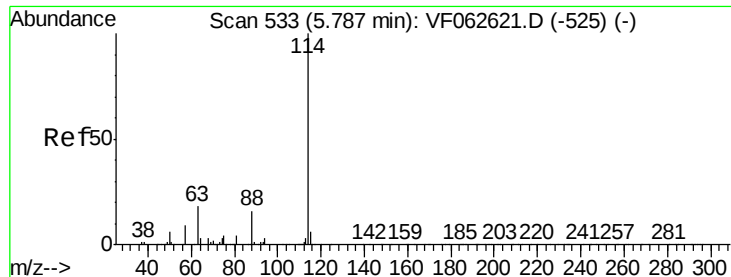
Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
72 8.5 20.1 30.1#



#33
1,2-Dichloroethane-d4
Concen: 32.379 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.01 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

Tgt Ion: 65 Resp: 172940
Ion Ratio Lower Upper
65 100
67 59.8 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.01 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

SB-03-5-6

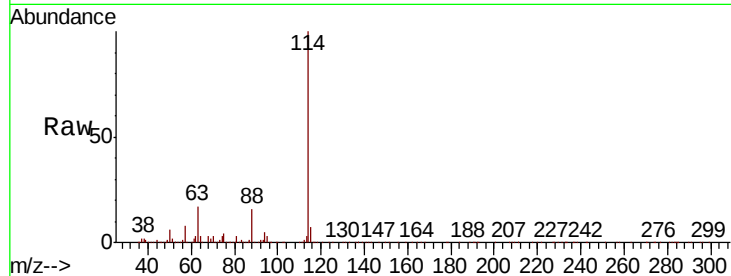
Tgt Ion:114 Resp: 1193716

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.4

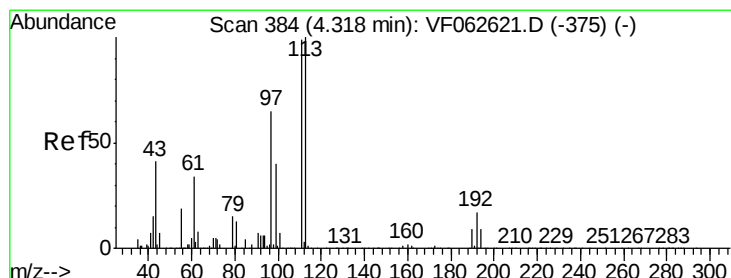
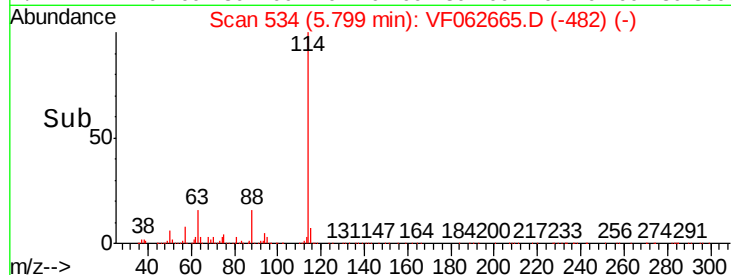
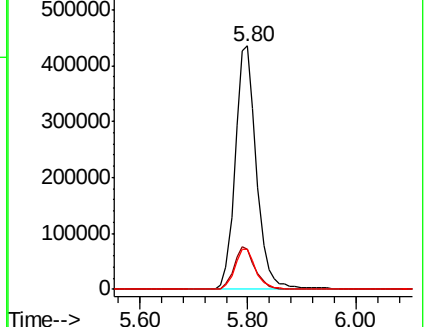
88 16.5 0.0 32.4



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: 36.873 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

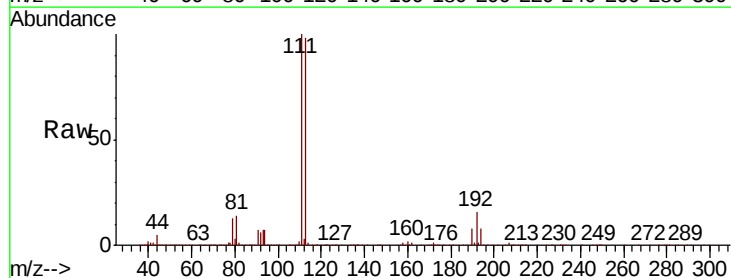
Tgt Ion:113 Resp: 336815

Ion Ratio Lower Upper

113 100

111 102.4 79.4 119.2

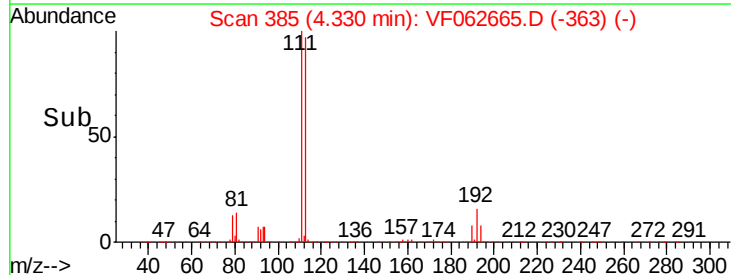
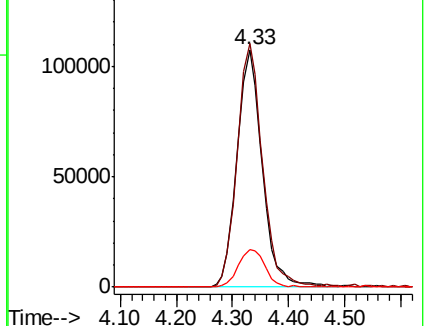
192 16.0 13.4 20.2

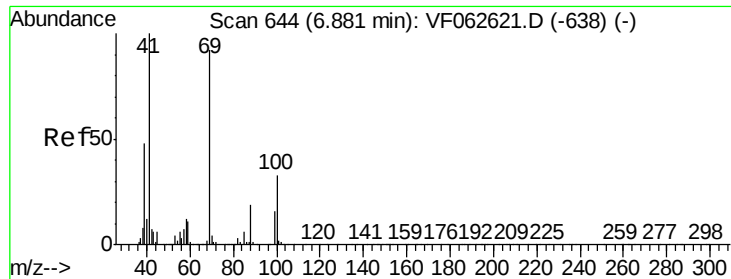


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

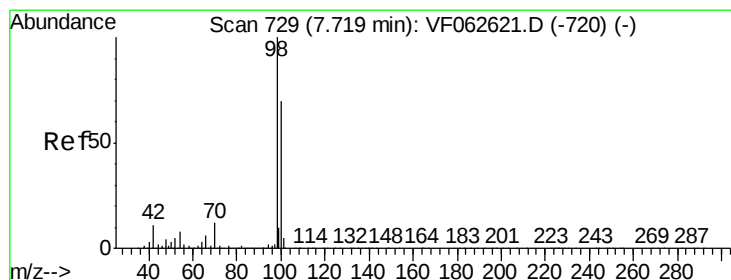
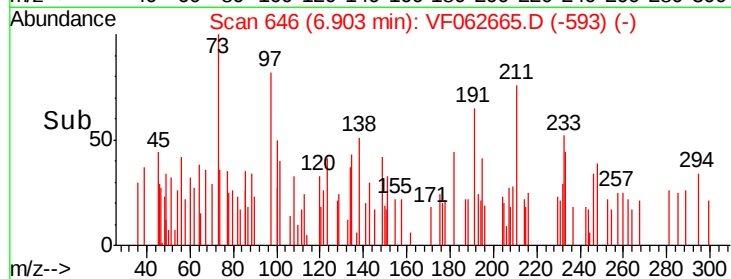
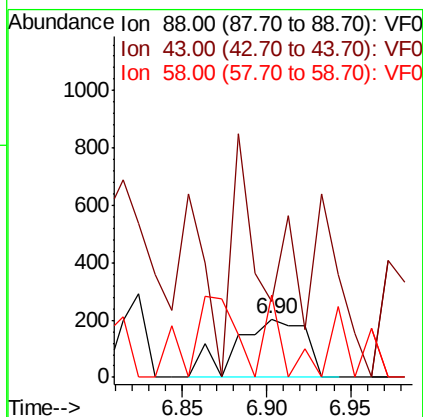
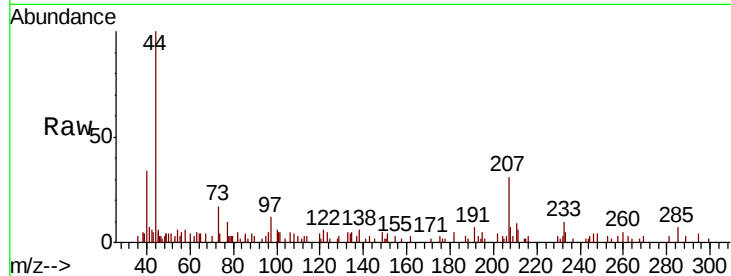




#49
1,4-Dioxane
Concen: 13.344 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

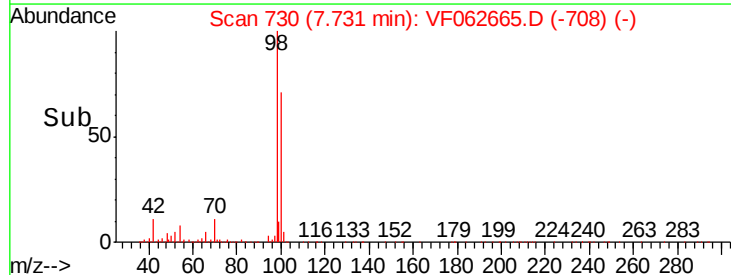
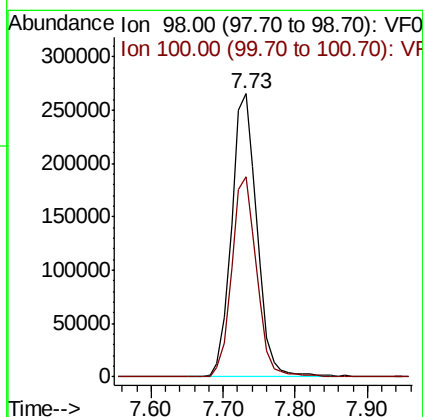
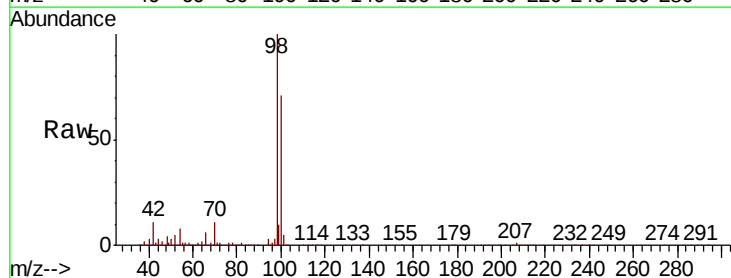
Instrument :
MSVOA_F
ClientSampled :
SB-03-5-6

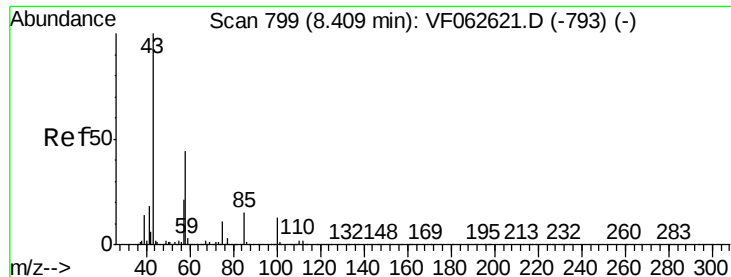
Tgt Ion: 88 Resp: 578
Ion Ratio Lower Upper
88 100
43 129.9 30.0 45.0#
58 140.2 51.1 76.7#



#50
Toluene-d8
Concen: 29.902 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062665.D
Acq: 20 May 2019 17:21

Tgt Ion: 98 Resp: 652134
Ion Ratio Lower Upper
98 100
100 70.9 56.2 84.2

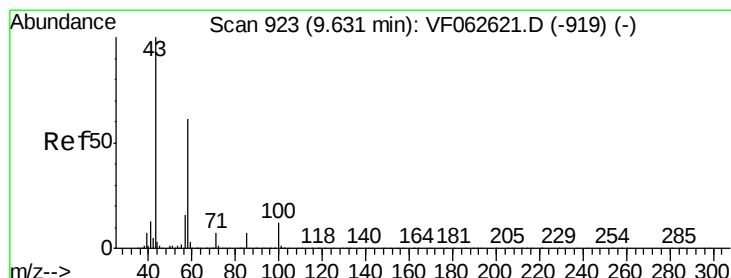
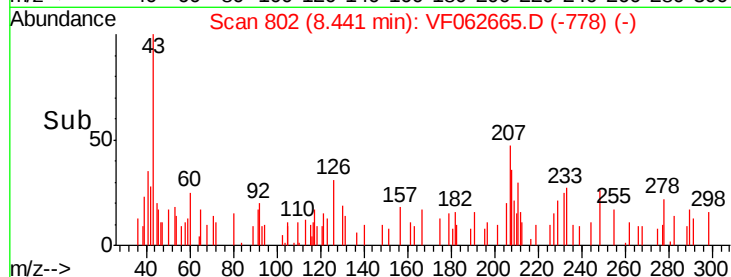
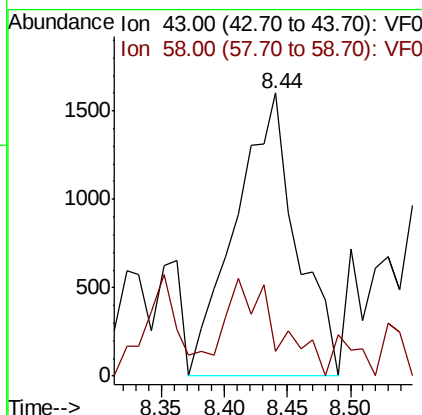
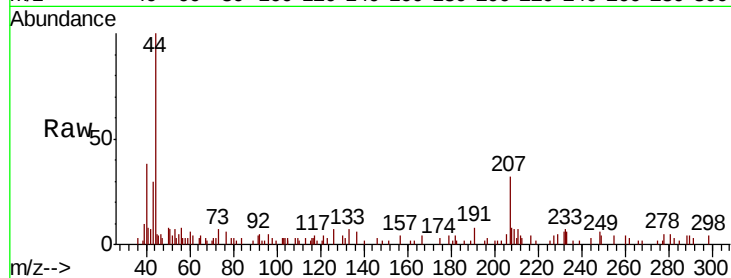




#51
 4-Methyl-2-Pentanone
 Concen: 1.216 ug/l
 RT: 8.44 min Scan# 802
 Delta R.T. 0.03 min
 Lab File: VF062665.D
 Acq: 20 May 2019 17:21

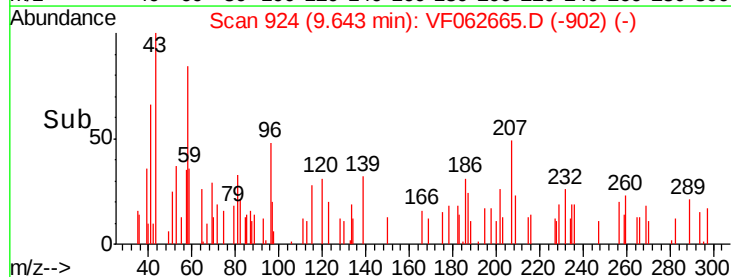
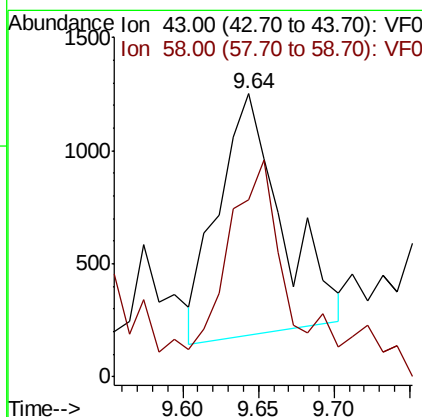
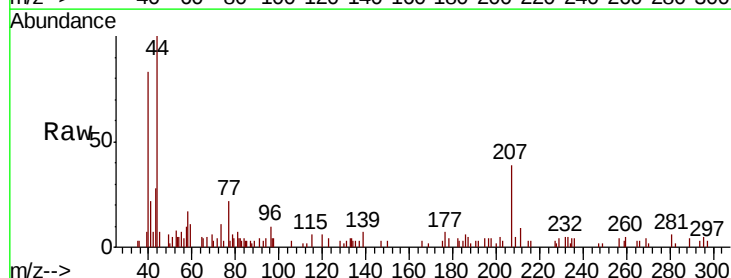
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-03-5-6

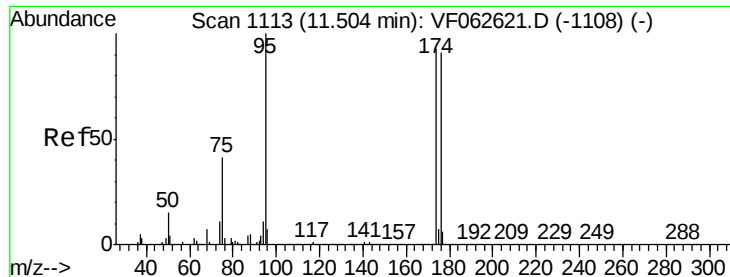
Tgt Ion: 43 Resp: 5377
 Ion Ratio Lower Upper
 43 100
 58 8.8 34.9 52.3#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.64 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VF062665.D
 Acq: 20 May 2019 17:21

Tgt Ion: 43 Resp: 3144
 Ion Ratio Lower Upper
 43 100
 58 62.4 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 20.289 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

SB-03-5-6

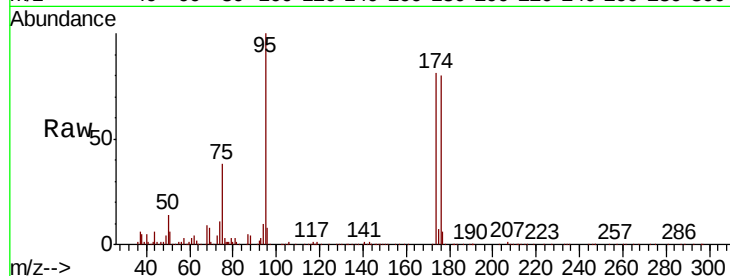
Tgt Ion: 95 Resp: 167821

Ion Ratio Lower Upper

95 100

174 80.5 0.0 185.6

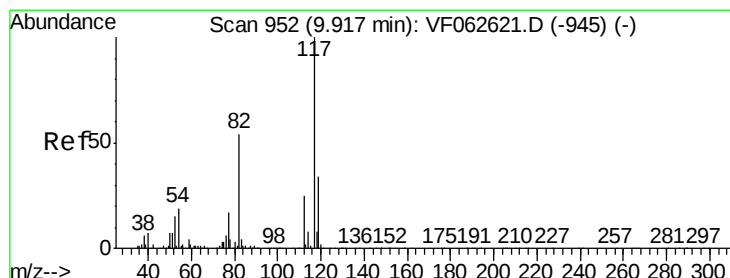
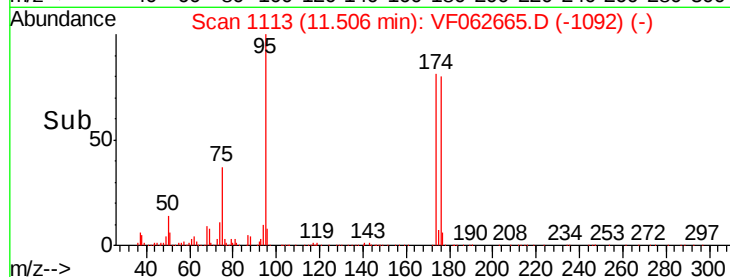
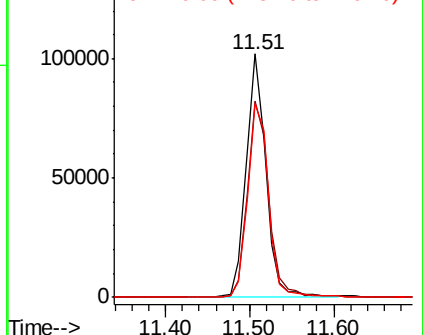
176 79.6 0.0 182.4



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: 9.93 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

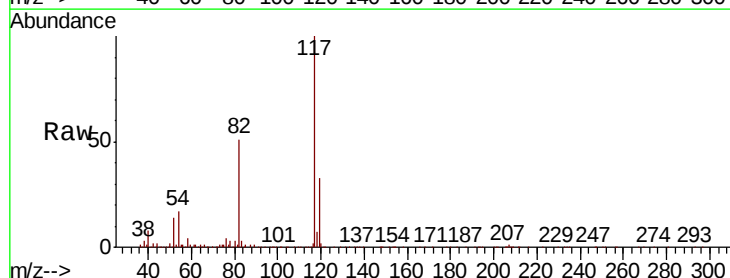
Tgt Ion: 117 Resp: 665150

Ion Ratio Lower Upper

117 100

82 50.8 43.3 64.9

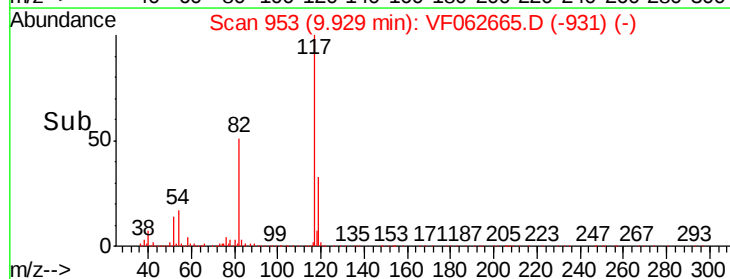
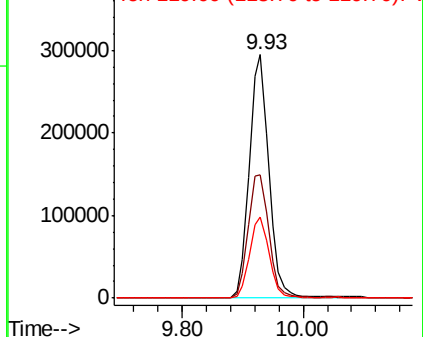
119 33.3 27.4 41.0

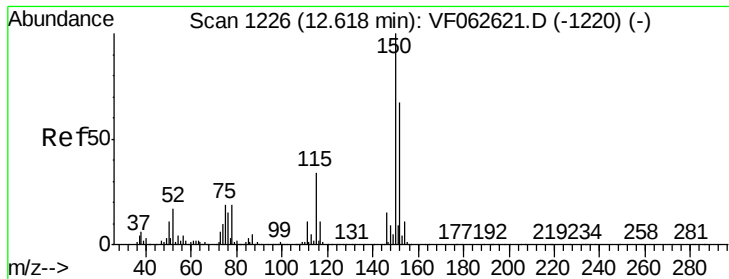


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

Instrument :

MSVOA_F

ClientSampleId :

SB-03-5-6

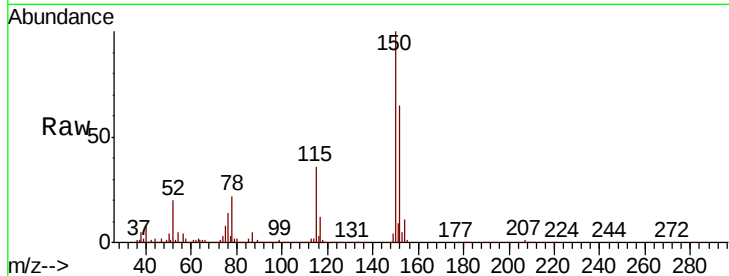
Tgt Ion:152 Resp: 220513

Ion Ratio Lower Upper

152 100

115 55.5 25.2 75.6

150 154.0 0.0 306.2

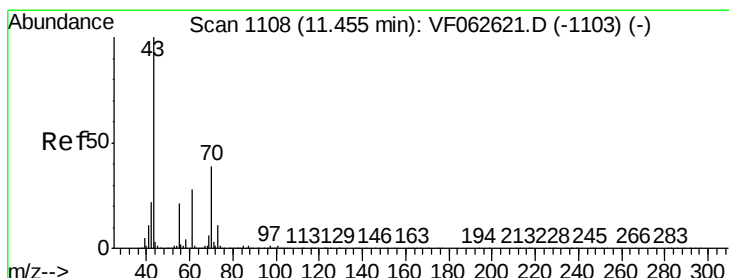
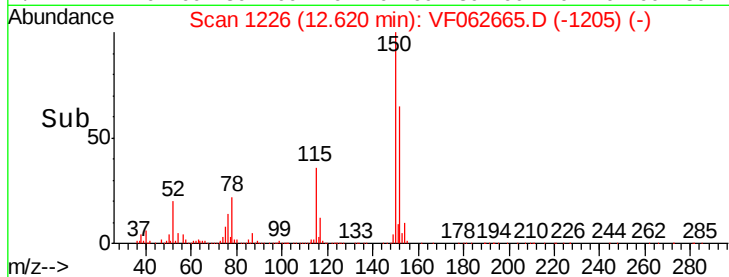
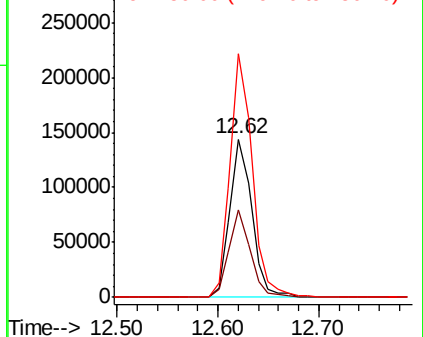


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V



#74

N-amil acetate

Concen: Below Cal

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062665.D

Acq: 20 May 2019 17:21

Tgt Ion: 43 Resp: 2882

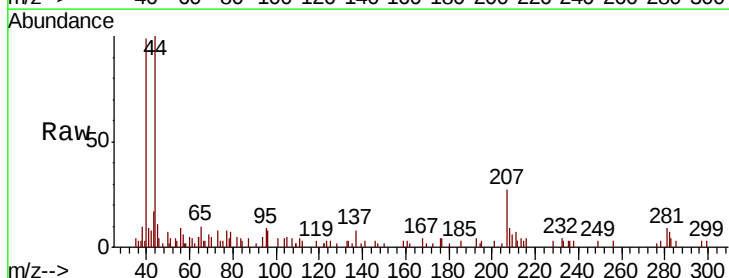
Ion Ratio Lower Upper

43 100

70 31.2 30.9 46.3

55 0.0 17.0 25.4#

61 24.6 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

