

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
 Data File : VF062664.D
 Acq On : 20 May 2019 16:53
 Operator : FY/SY
 Sample : K2894-13
 Misc : 4.99g/5mL/MSVOA_F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-5-6

Quant Time: May 20 17:15:37 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	5.07	168	557023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	810490	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	471115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	154605	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	106415	27.03	ug/l	0.01
Spiked Amount			Recovery	=	54.06%	
35) Dibromofluoromethane	4.32	113	216466	34.90	ug/l	0.00
Spiked Amount			Recovery	=	69.80%	
50) Toluene-d8	7.72	98	411933	27.82	ug/l	0.00
Spiked Amount			Recovery	=	55.64%	
62) 4-Bromofluorobenzene	11.51	95	116431	20.73	ug/l	0.00
Spiked Amount			Recovery	=	41.46%	

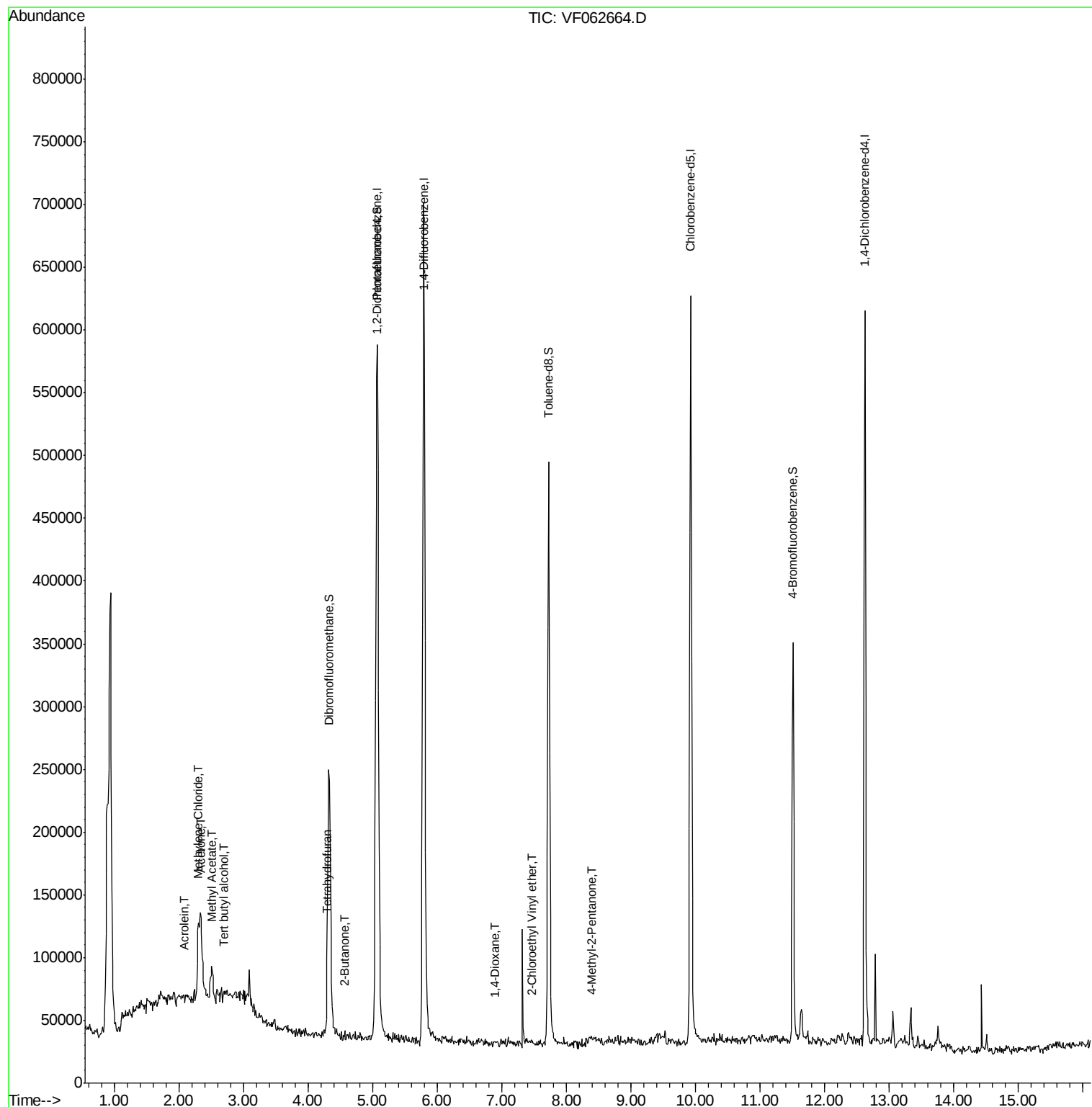
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.70	59	1326	5.103	ug/l #	1
13) Acrolein	2.09	56	735	2.709	ug/l	100
16) Acetone	2.35	43	9128	8.939	ug/l #	79
18) Methyl Acetate	2.51	43	10769	6.711	ug/l #	69
20) Methylene Chloride	2.30	84	32140	6.279	ug/l	92
25) 2-Butanone	4.56	43	4137	1.896	ug/l #	71
29) Tetrahydrofuran	4.28	42	1821	2.063	ug/l #	72
49) 1,4-Dioxane	6.90	88	206	7.005	ug/l #	31
51) 4-Methyl-2-Pentanone	8.40	43	5000	1.665	ug/l #	77
58) 2-Chloroethyl Vinyl ether	7.46	63	1392	1.022	ug/l #	78
59) 2-Hexanone	9.64	43	4440	Below Cal		66
74) N-amyl acetate	11.47	43	1576	Below Cal	#	67

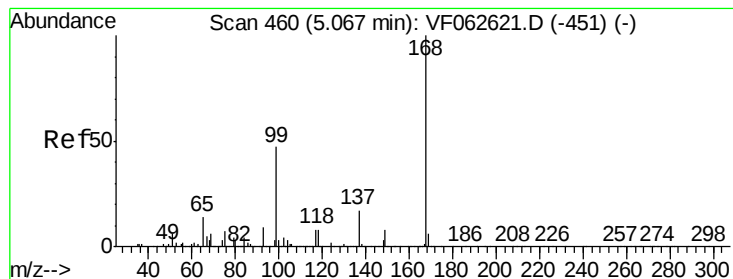
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF052019\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

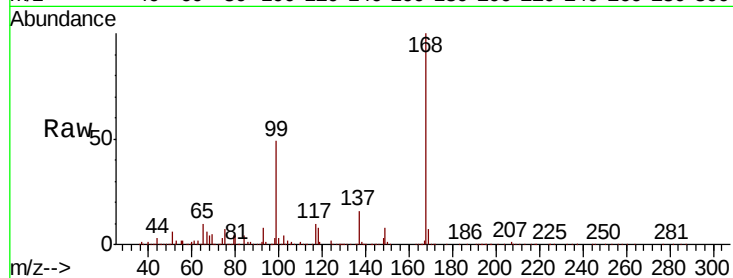
SB-08-5-6

Tgt Ion:168 Resp: 557023

Ion Ratio Lower Upper

168 100

99 49.2 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

200000

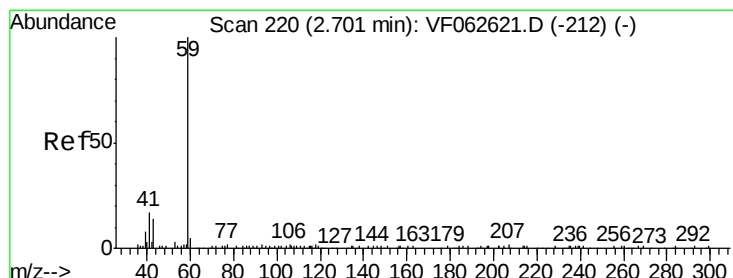
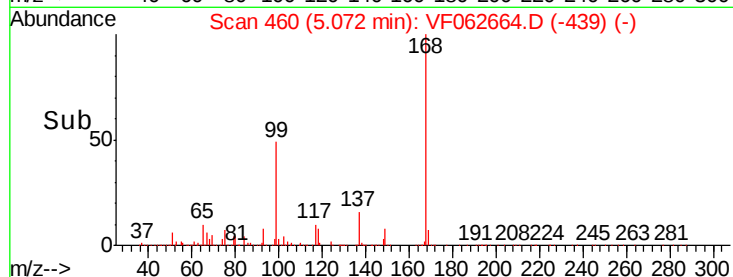
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.103 ug/l

RT: 2.70 min Scan# 219

Delta R.T. -0.00 min

Lab File: VF062664.D

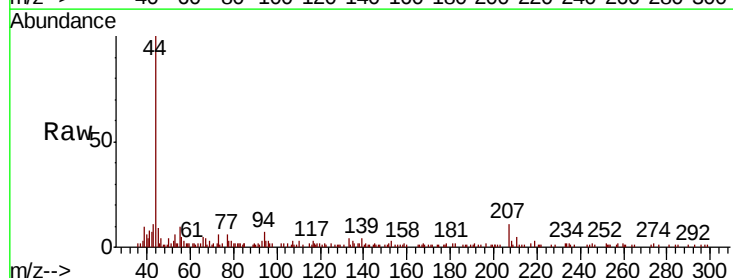
Acq: 20 May 2019 16:53

Tgt Ion: 59 Resp: 1326

Ion Ratio Lower Upper

59 100

57 62.5 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1200

1000

800

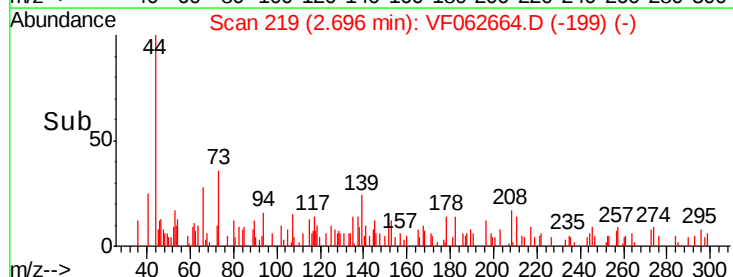
600

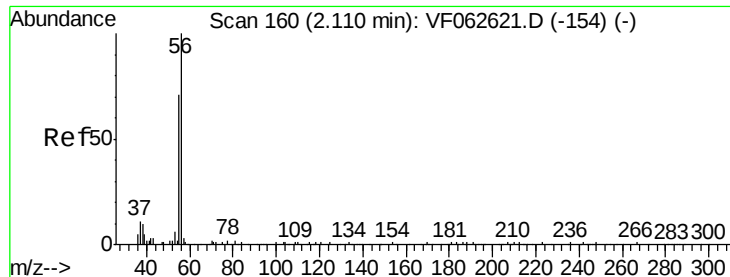
400

200

0

Time-->





#13

Acrolein

Concen: 2.709 ug/l

RT: 2.09 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

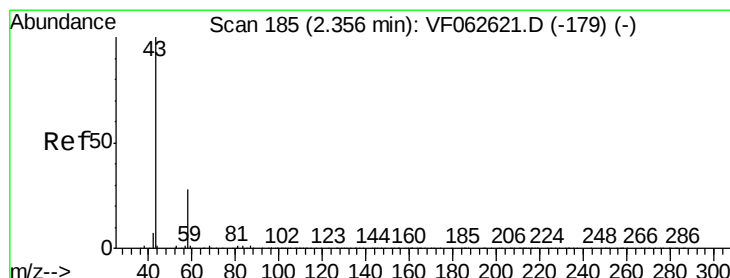
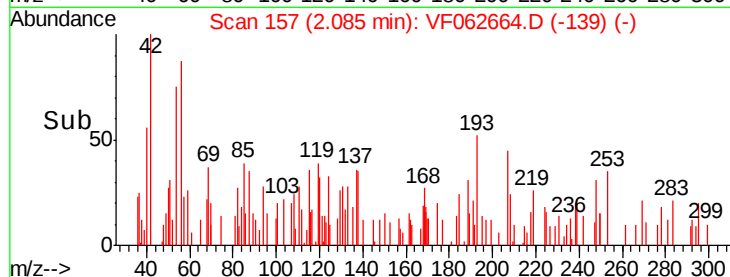
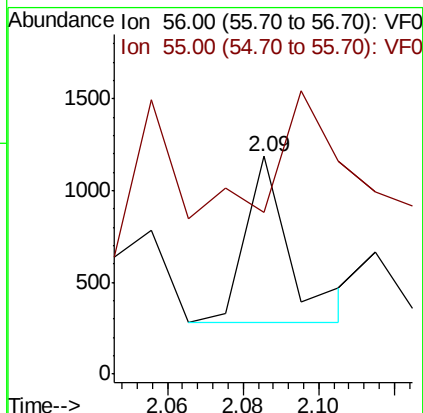
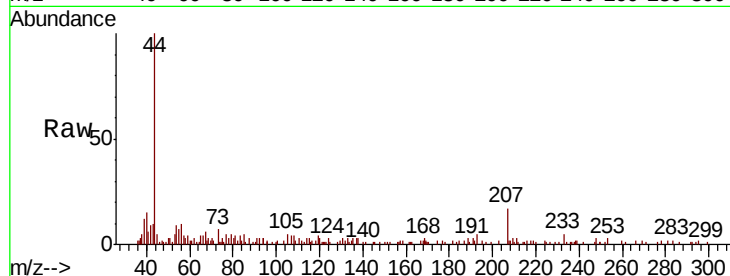
SB-08-5-6

Tgt Ion: 56 Resp: 735

Ion Ratio Lower Upper

56 100

55 74.1 59.4 89.0



#16

Acetone

Concen: 8.939 ug/l

RT: 2.35 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF062664.D

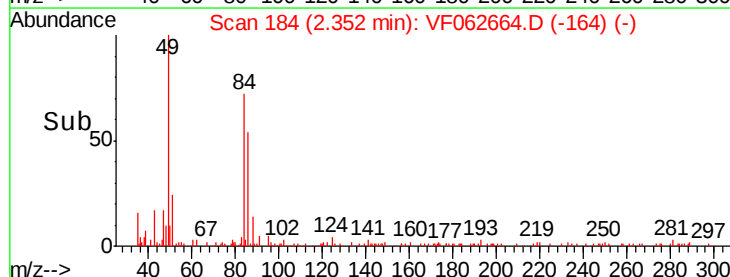
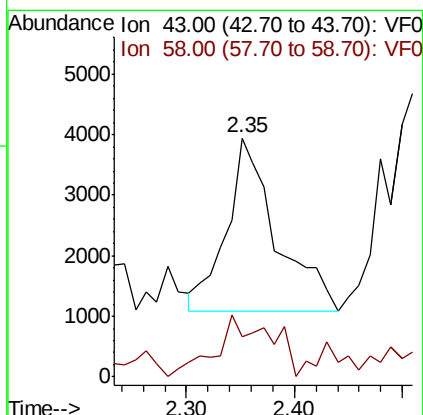
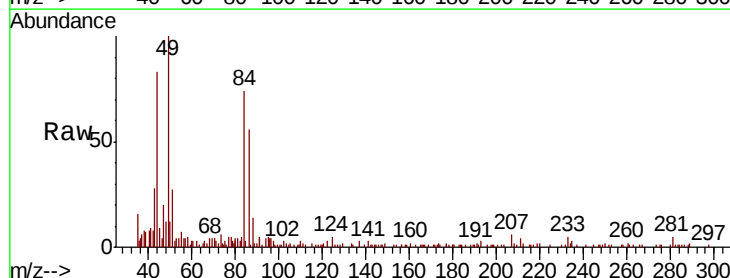
Acq: 20 May 2019 16:53

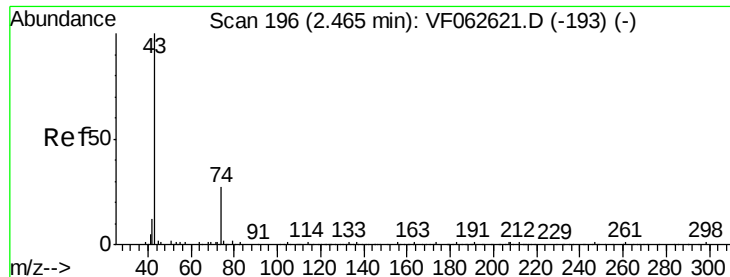
Tgt Ion: 43 Resp: 9128

Ion Ratio Lower Upper

43 100

58 16.9 22.6 33.8#

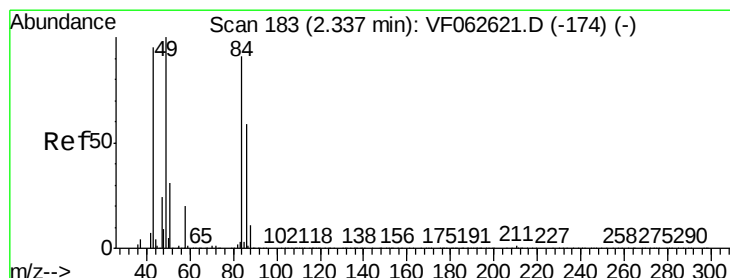
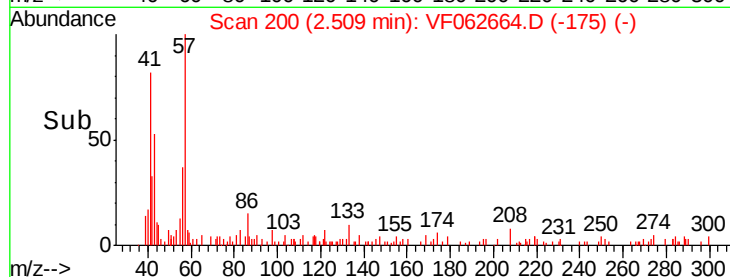
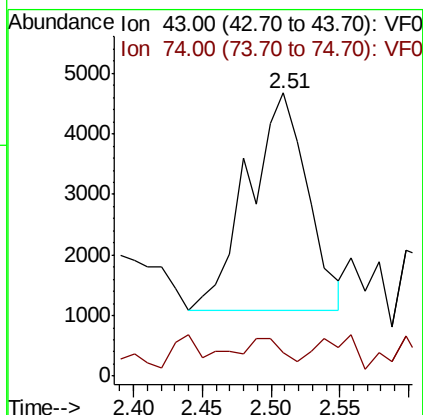
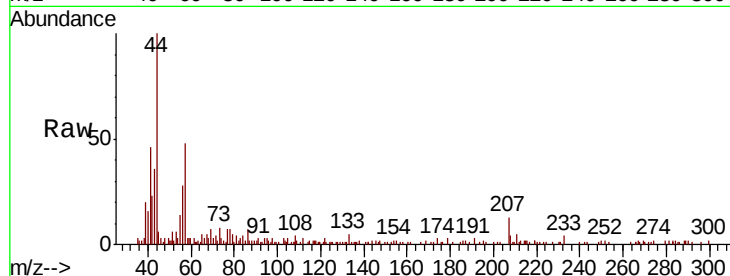




#18
Methyl Acetate
Concen: 6.711 ug/l
RT: 2.51 min Scan# 200
Delta R.T. 0.04 min
Lab File: VF062664.D
Acq: 20 May 2019 16:53

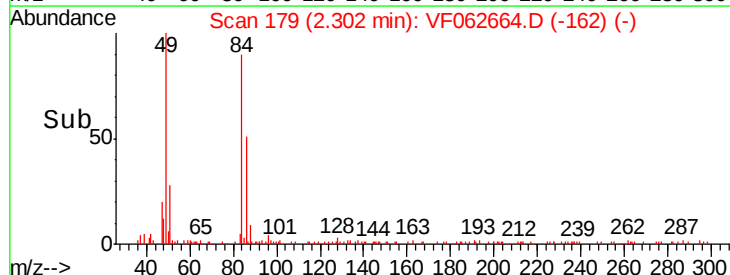
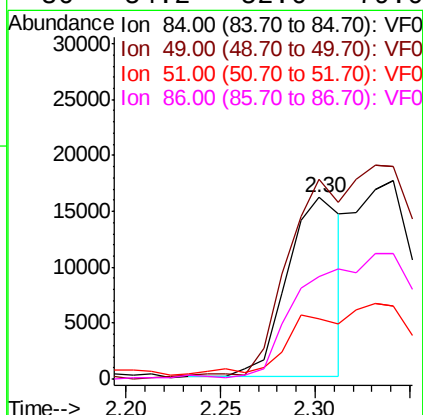
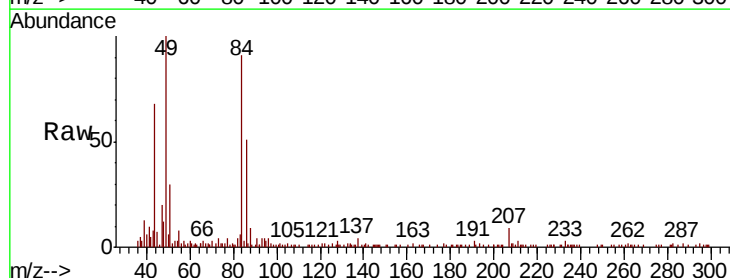
Instrument :
MSVOA_F
ClientSampled :
SB-08-5-6

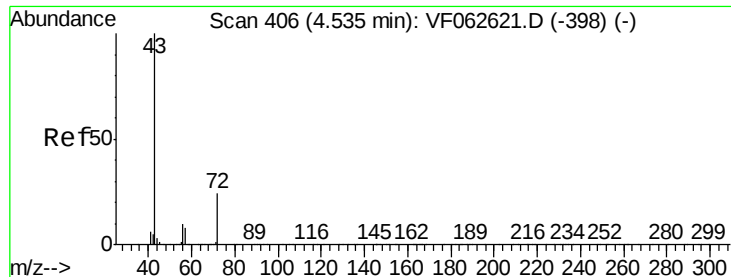
Tgt Ion: 43 Resp: 10769
Ion Ratio Lower Upper
43 100
74 8.2 18.9 28.3#



#20
Methylene Chloride
Concen: 6.279 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.03 min
Lab File: VF062664.D
Acq: 20 May 2019 16:53

Tgt Ion: 84 Resp: 32140
Ion Ratio Lower Upper
84 100
49 106.4 89.8 134.8
51 32.3 28.4 42.6
86 54.2 52.6 79.0





#25

2-Butanone

Concen: 1.896 ug/l

RT: 4.56 min Scan# 408

Delta R.T. 0.02 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

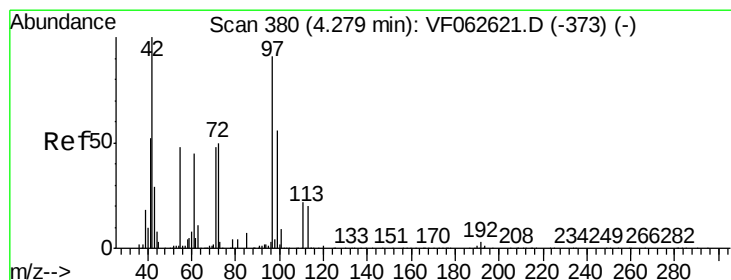
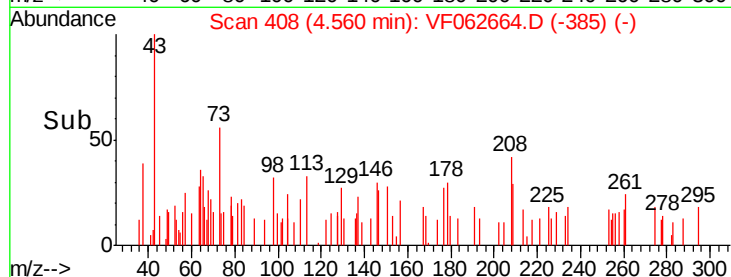
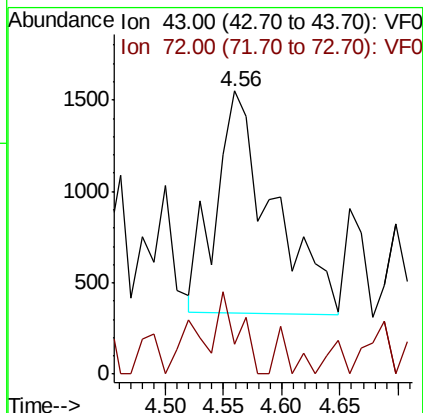
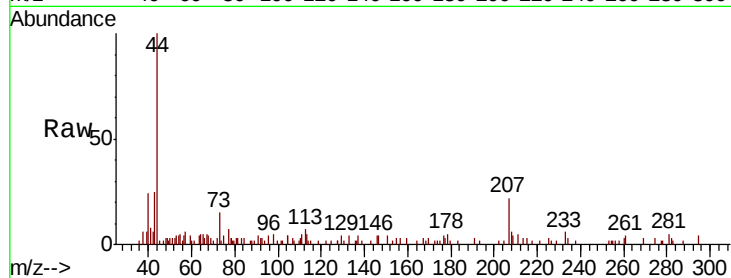
SB-08-5-6

Tgt Ion: 43 Resp: 4137

Ion Ratio Lower Upper

43 100

72 10.4 20.1 30.1#



#29

Tetrahydrofuran

Concen: 2.063 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

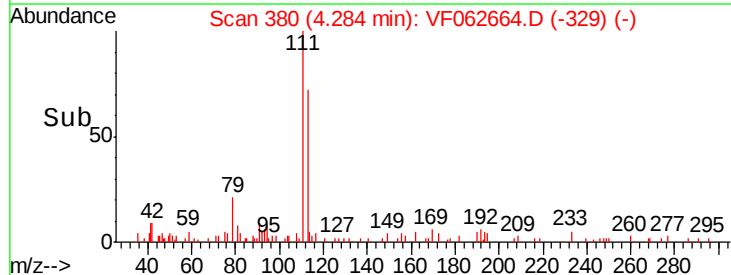
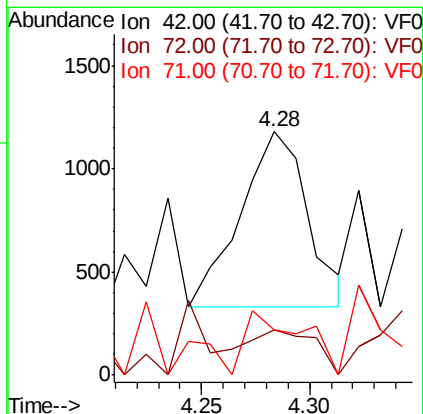
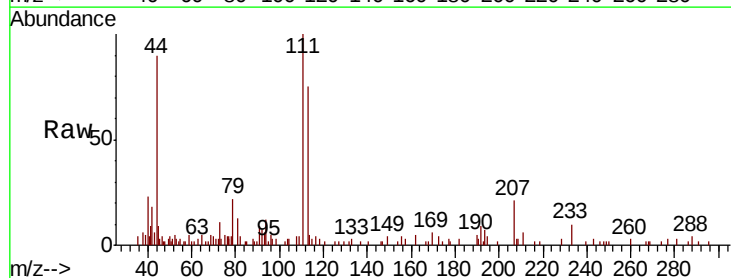
Tgt Ion: 42 Resp: 1821

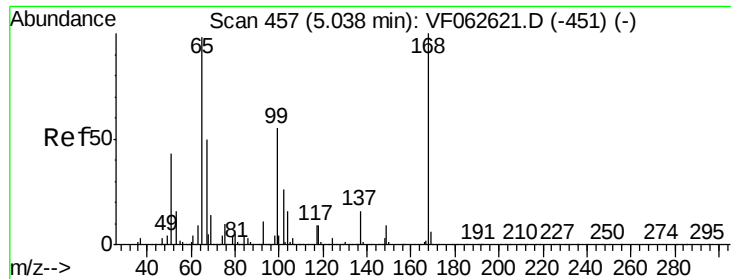
Ion Ratio Lower Upper

42 100

72 24.5 38.2 57.2#

71 31.5 35.8 53.6#





#33

1,2-Dichloroethane-d4

Concen: 27.035 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

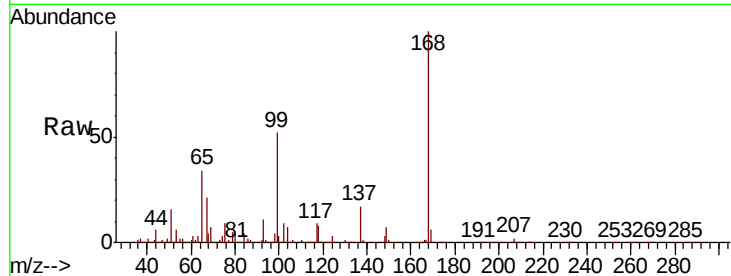
SB-08-5-6

Tgt Ion: 65 Resp: 106415

Ion Ratio Lower Upper

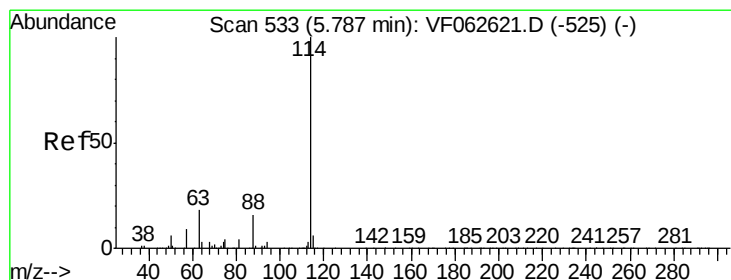
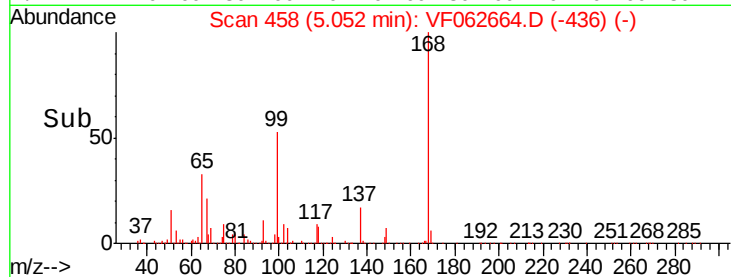
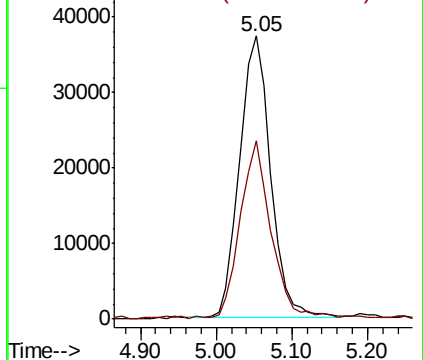
65 100

67 63.0 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: 5.79 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

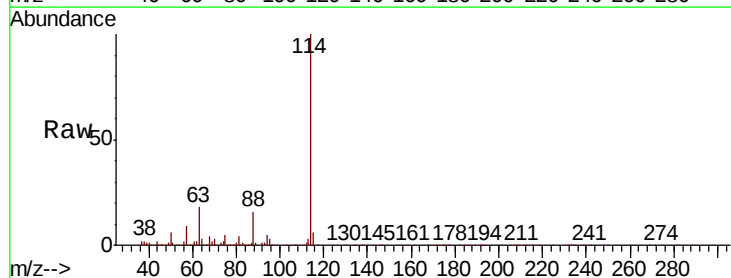
Tgt Ion: 114 Resp: 810490

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

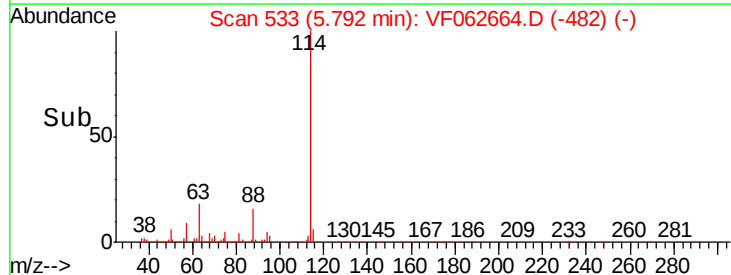
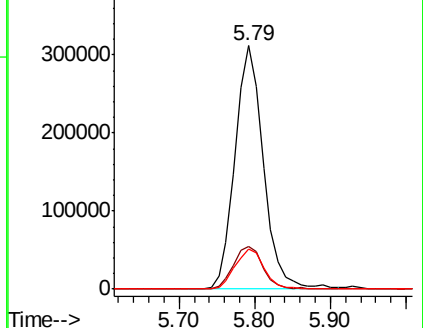
88 16.4 0.0 32.4

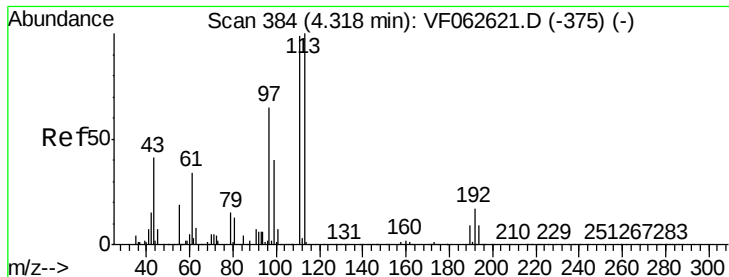


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

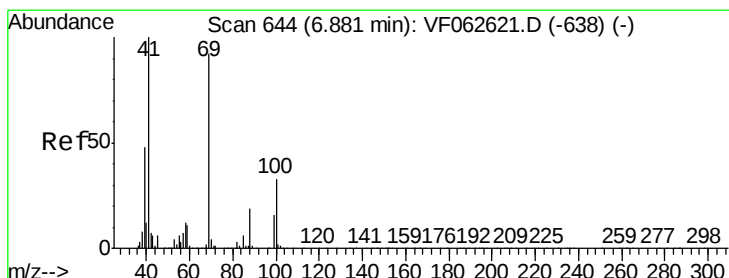
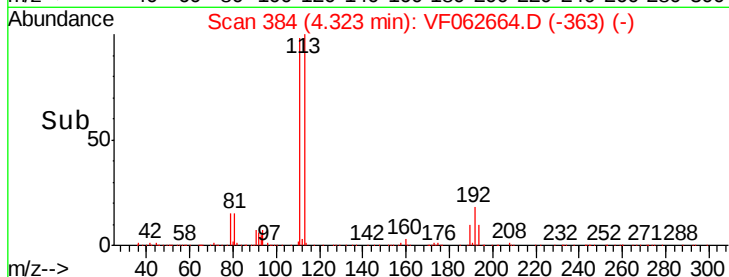
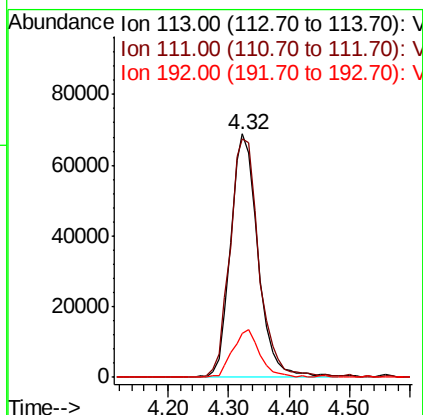
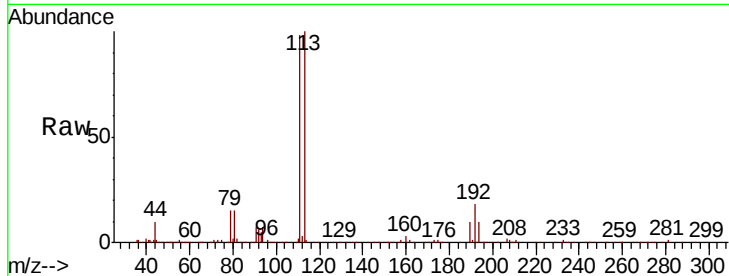




#35
 Dibromofluoromethane
 Concen: 34.903 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062664.D
 Acq: 20 May 2019 16:53

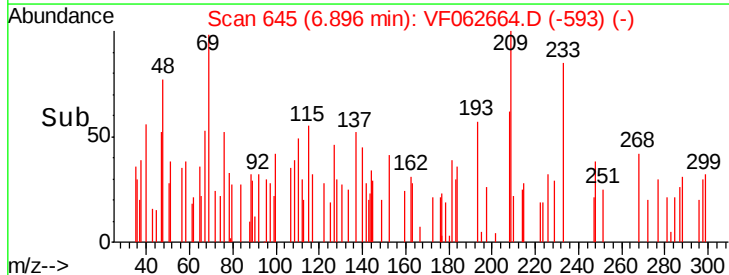
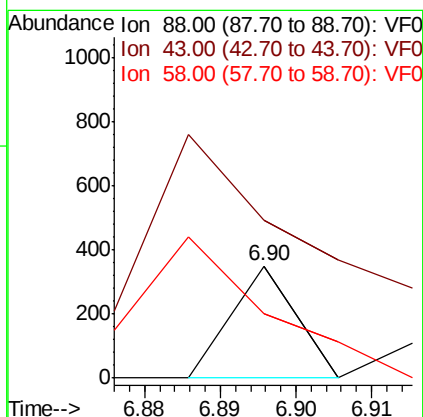
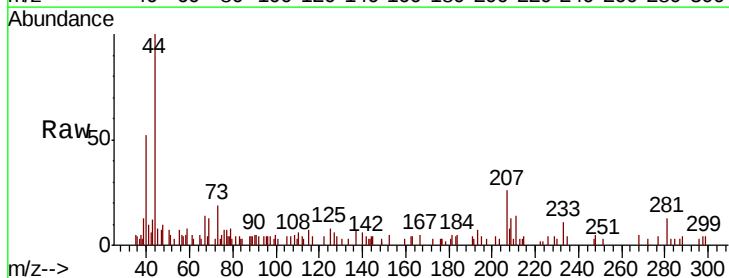
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-5-6

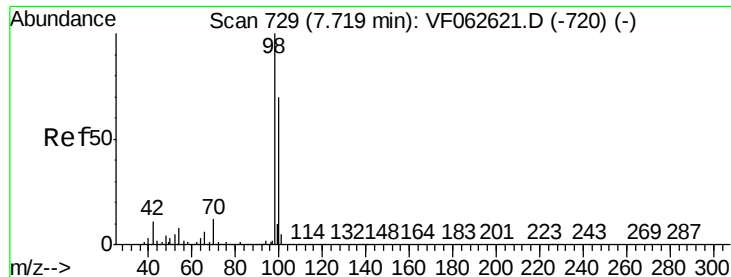
Tgt Ion	Ratio	Lower	Upper
113	100		
111	98.0	79.4	119.2
192	17.9	13.4	20.2



#49
 1,4-Dioxane
 Concen: 7.005 ug/l
 RT: 6.90 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: VF062664.D
 Acq: 20 May 2019 16:53

Tgt Ion	Ratio	Lower	Upper
88	100		
43	140.7	30.0	45.0#
58	57.3	51.1	76.7





#50

Toluene-d8

Concen: 27.819 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.00 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

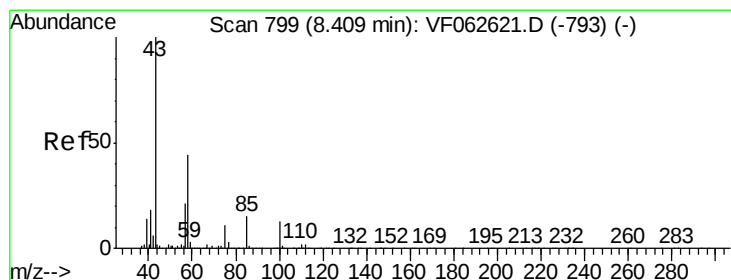
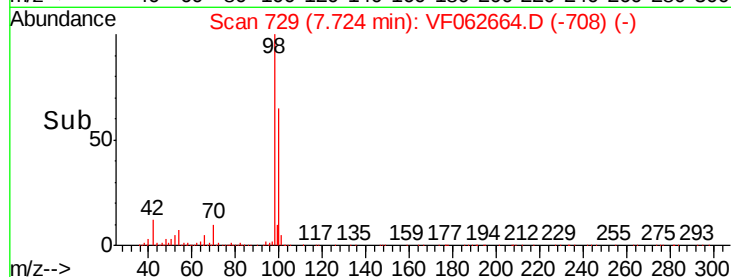
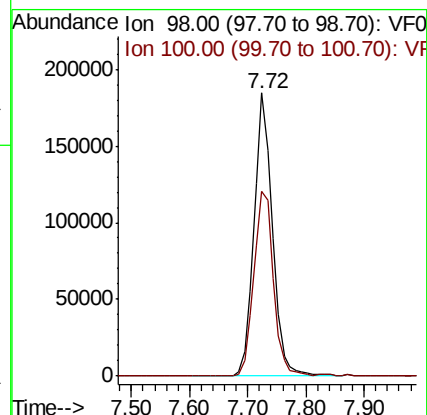
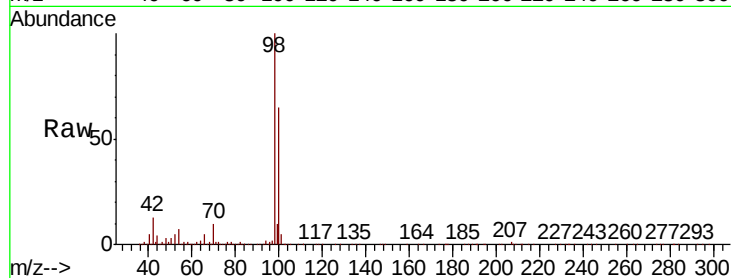
SB-08-5-6

Tgt Ion: 98 Resp: 411933

Ion Ratio Lower Upper

98 100

100 65.2 56.2 84.2



#51

4-Methyl-2-Pentanone

Concen: 1.665 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062664.D

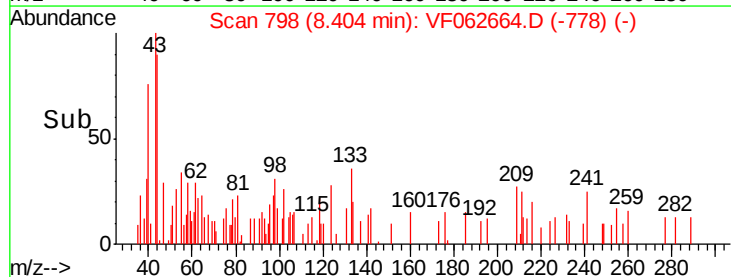
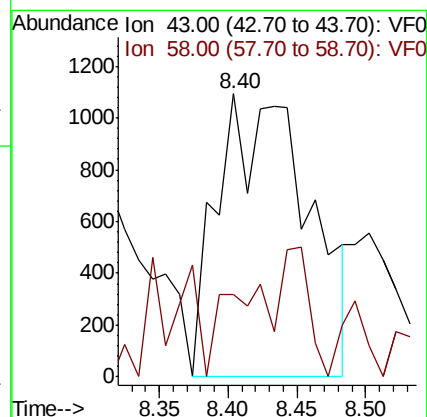
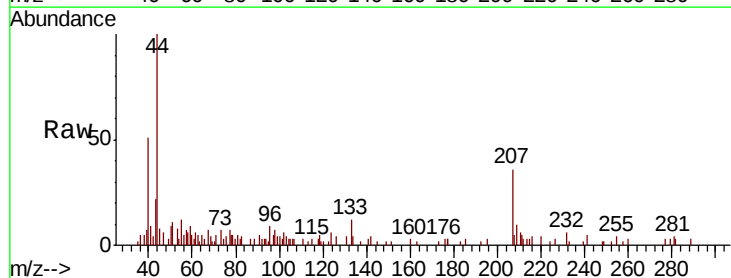
Acq: 20 May 2019 16:53

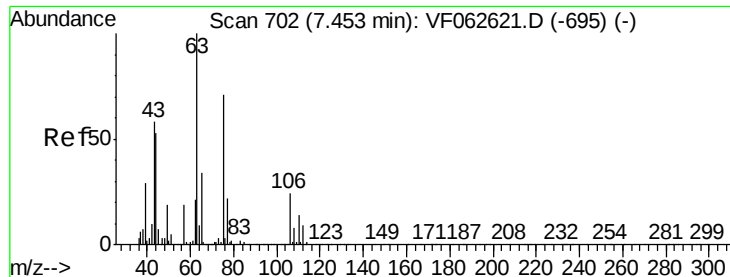
Tgt Ion: 43 Resp: 5000

Ion Ratio Lower Upper

43 100

58 28.9 34.9 52.3#

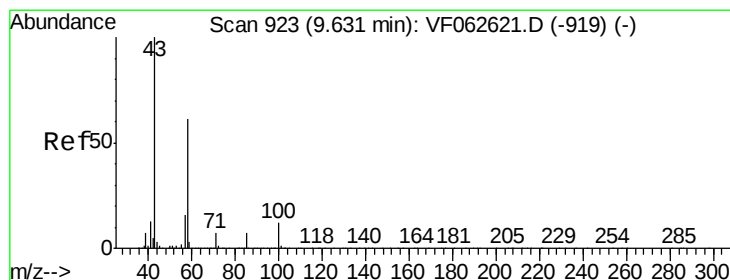
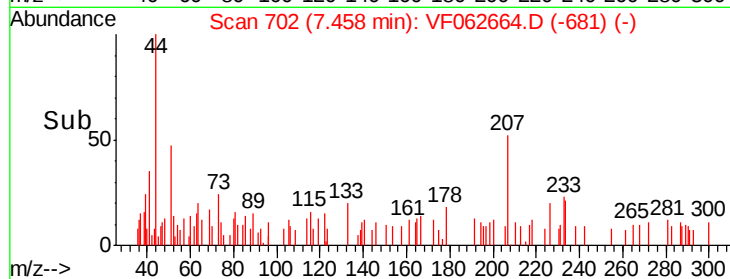
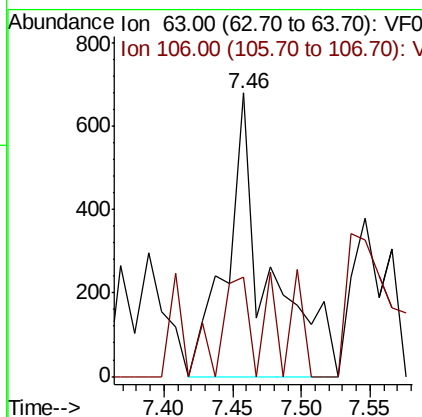
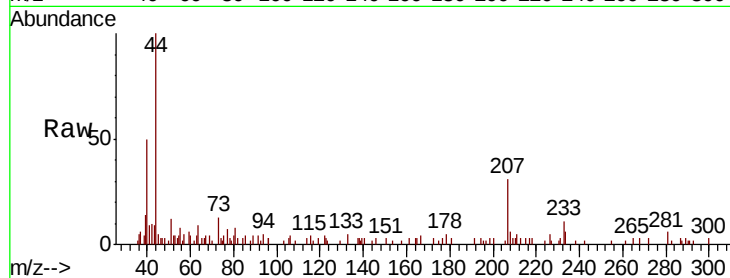




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.022 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF062664.D
 Acq: 20 May 2019 16:53

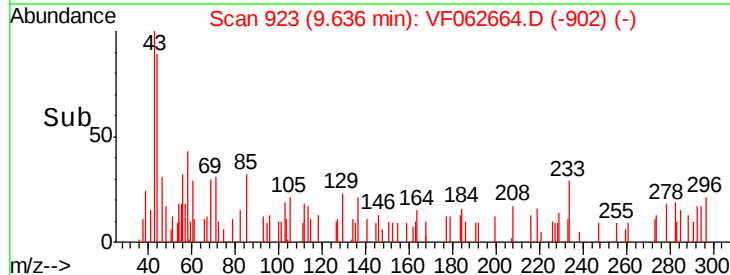
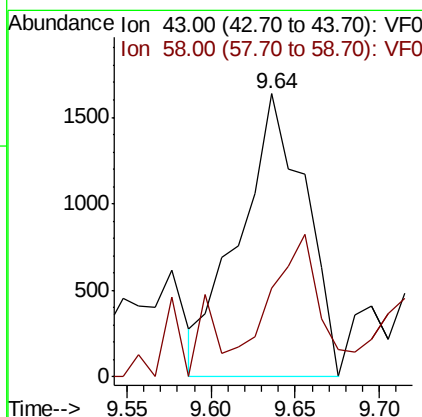
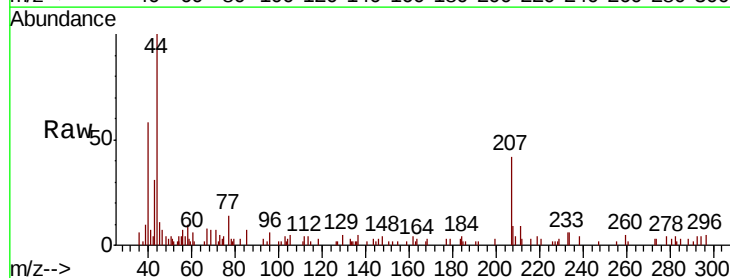
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-08-5-6

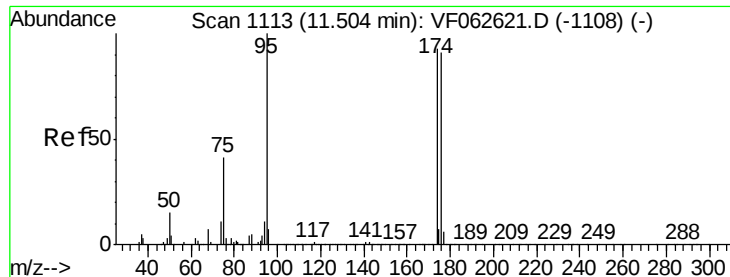
Tgt Ion: 63 Resp: 1392
 Ion Ratio Lower Upper
 63 100
 106 34.9 19.1 28.7#



#59
 2-Hexanone
 Concen: Below Cal
 RT: 9.64 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VF062664.D
 Acq: 20 May 2019 16:53

Tgt Ion: 43 Resp: 4440
 Ion Ratio Lower Upper
 43 100
 58 31.3 28.1 84.4





#62

4-Bromofluorobenzene

Concen: 20.732 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

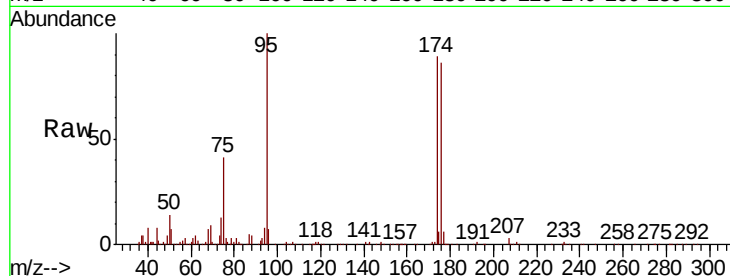
Tgt Ion: 95 Resp: 116431

Ion Ratio Lower Upper

95 100

174 89.1 0.0 185.6

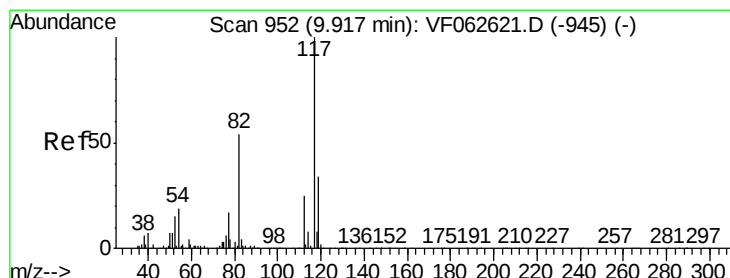
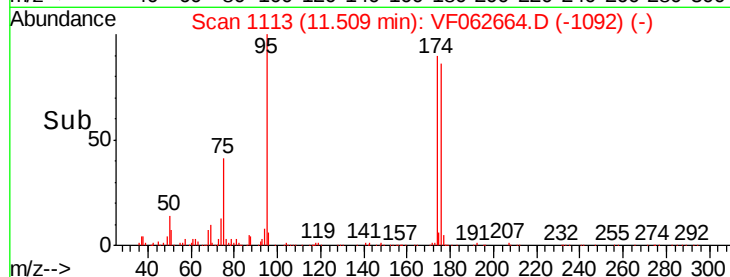
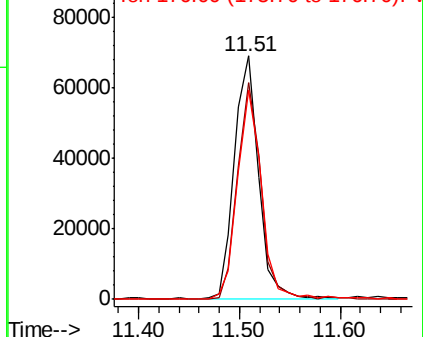
176 85.6 0.0 182.4



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: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

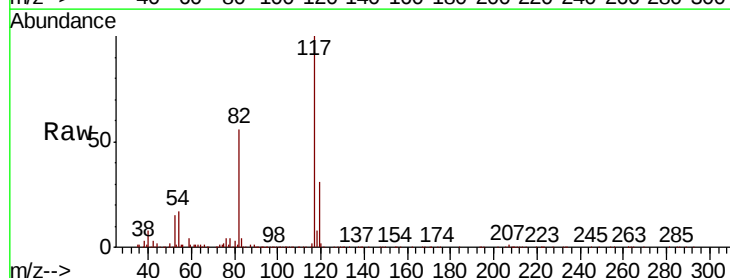
Tgt Ion: 117 Resp: 471115

Ion Ratio Lower Upper

117 100

82 56.1 43.3 64.9

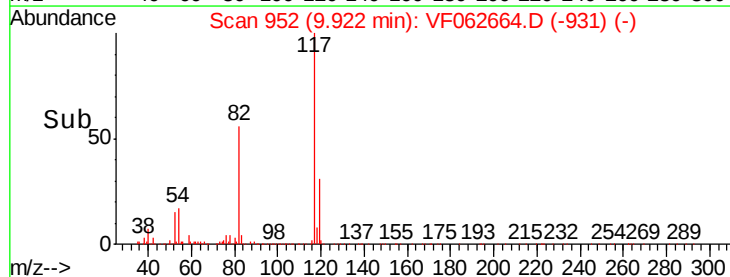
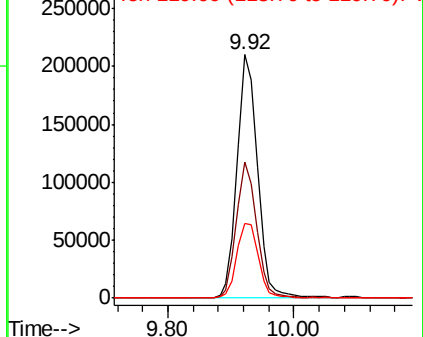
119 30.9 27.4 41.0

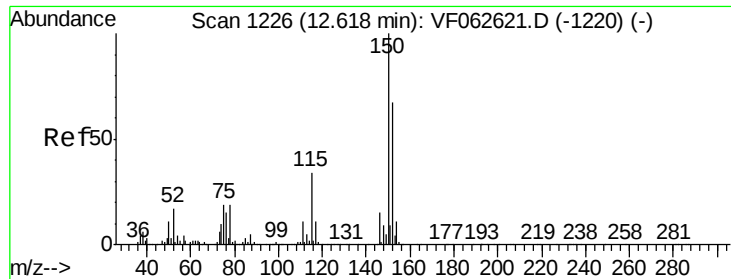


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: VF062664.D

Acq: 20 May 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

SB-08-5-6

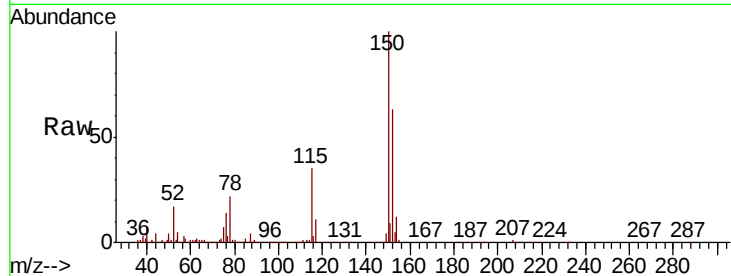
Tgt Ion:152 Resp: 154605

Ion Ratio Lower Upper

152 100

115 55.2 25.2 75.6

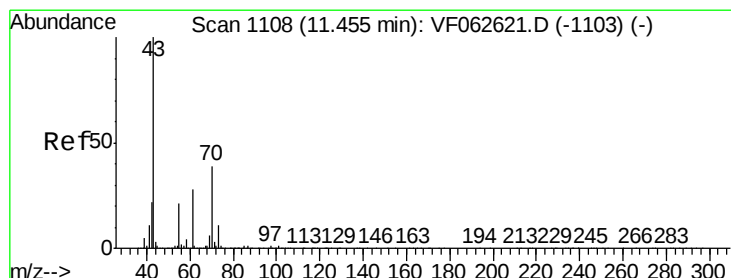
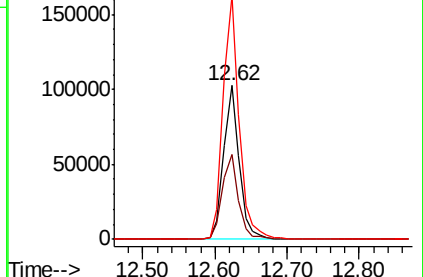
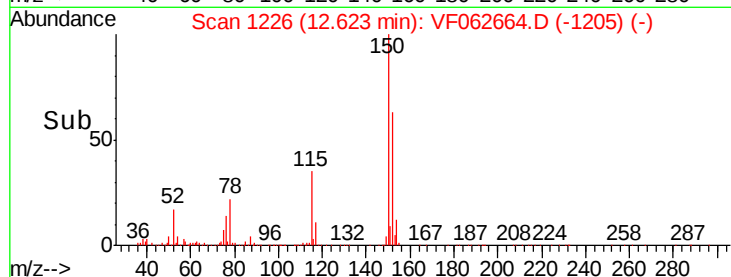
150 158.4 0.0 306.2



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-ethyl acetate

Concen: Below Cal

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062664.D

Acq: 20 May 2019 16:53

Tgt Ion: 43 Resp: 1576

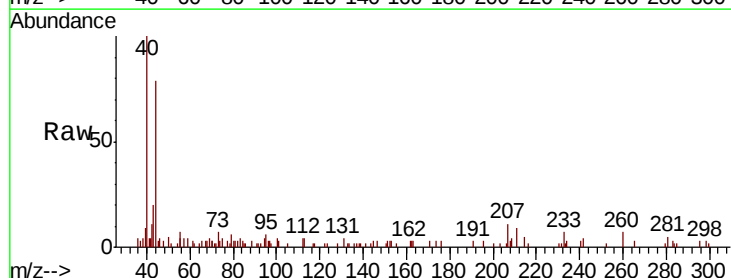
Ion Ratio Lower Upper

43 100

70 29.7 30.9 46.3#

55 56.5 17.0 25.4#

61 14.5 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

