

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062289.D
 Acq On : 25 Apr 2019 13:47
 Operator : FY/SY
 Sample : VF0425SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBL01

Quant Time: Apr 26 01:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	440722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	616193	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	436994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	269436	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	196745	55.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.22%	
35) Dibromofluoromethane	4.32	113	252848	55.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.68%	
50) Toluene-d8	7.72	98	526713	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
62) 4-Bromofluorobenzene	11.50	95	230327	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	

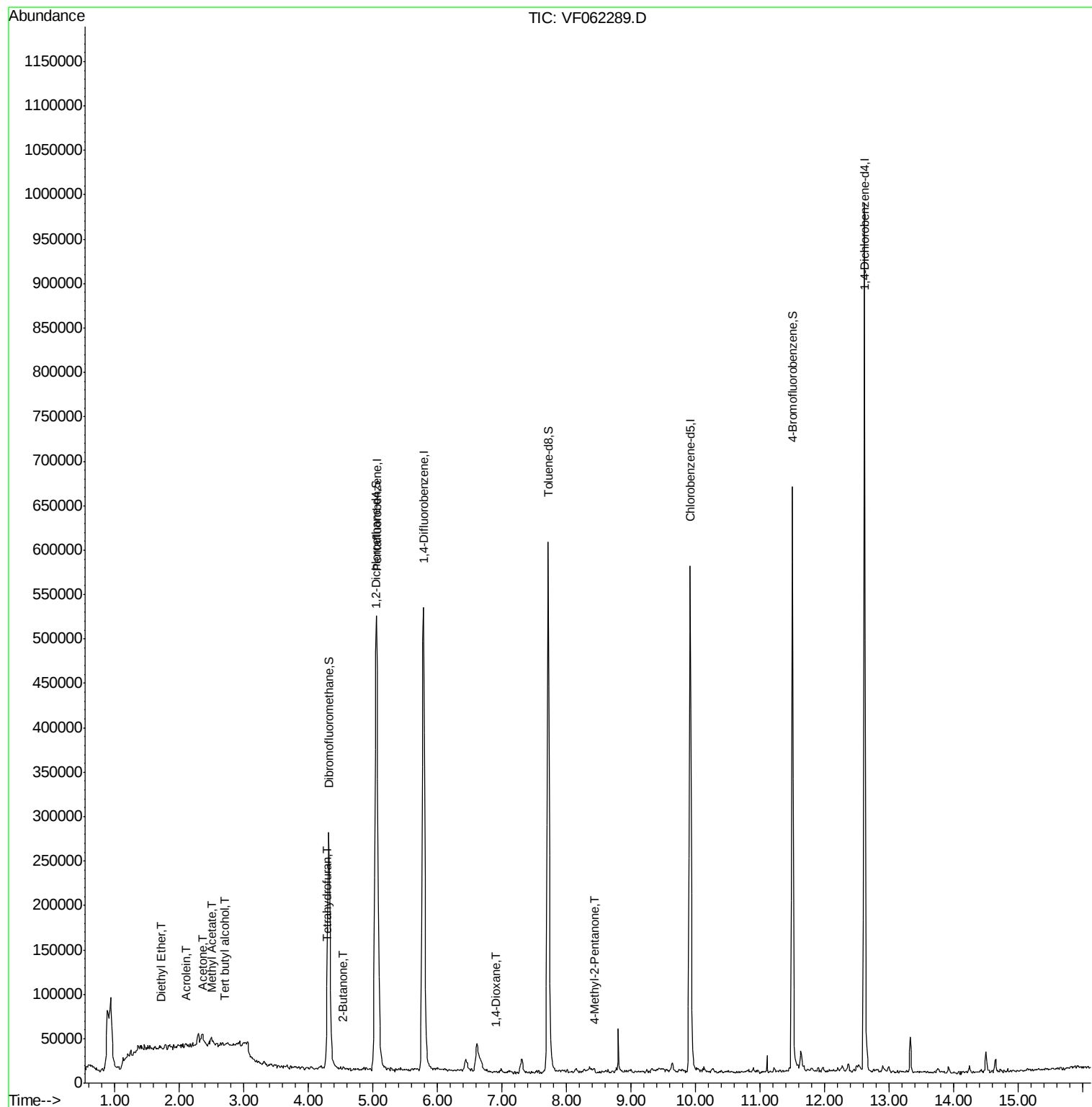
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.71	74	1537	1.278	ug/l	57
11) Tert butyl alcohol	2.70	59	1411	6.534	ug/l #	46
13) Acrolein	2.12	56	1033	13.184	ug/l #	10
16) Acetone	2.35	43	6203	7.761	ug/l #	84
18) Methyl Acetate	2.50	43	13008	6.125	ug/l #	65
20) Methylene Chloride	2.35	84	7711	Below Cal	#	78
25) 2-Butanone	4.54	43	4828	3.809	ug/l	96
29) Tetrahydrofuran	4.28	42	937	1.683	ug/l #	60
49) 1,4-Dioxane	6.91	88	83	4.114	ug/l #	66
51) 4-Methyl-2-Pentanone	8.43	43	4326	2.296	ug/l #	87
59) 2-Hexanone	9.63	43	6952	Below Cal		88

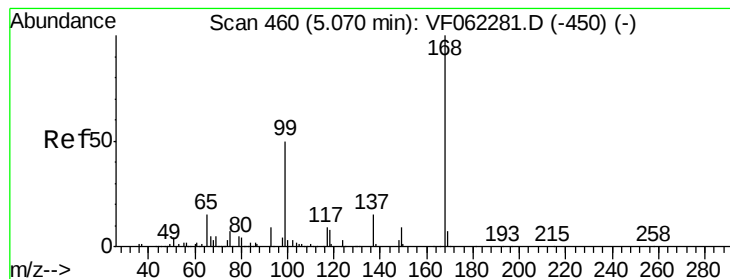
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042519\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

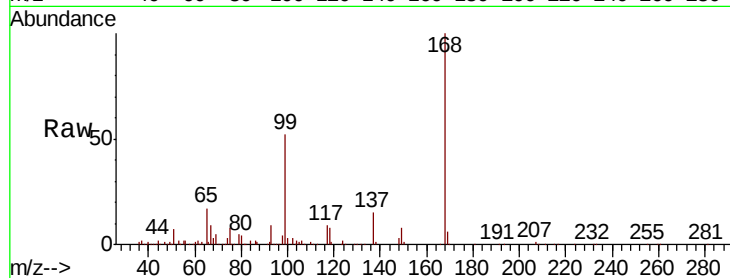
VF0425SBL01

Tot Ion:168 Resp: 440722

Ion Ratio Lower Upper

168 100

99 51.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.07

150000

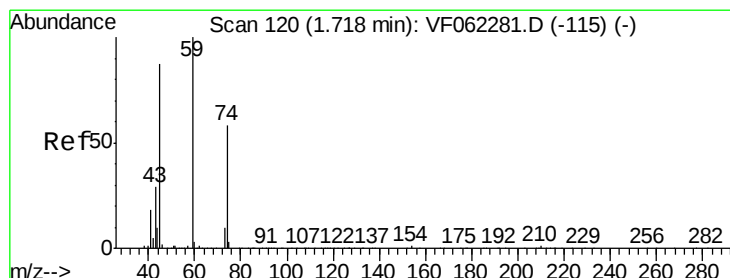
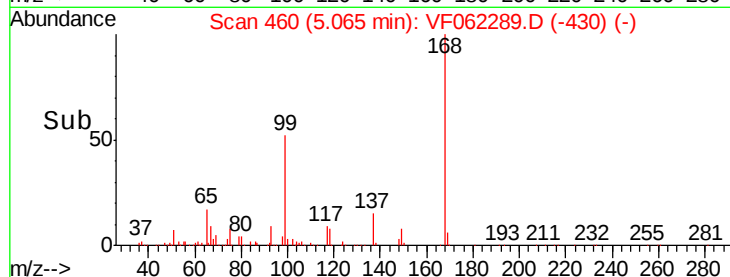
100000

50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#8

Diethyl Ether

Concen: 1.278 ug/l

RT: 1.71 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062289.D

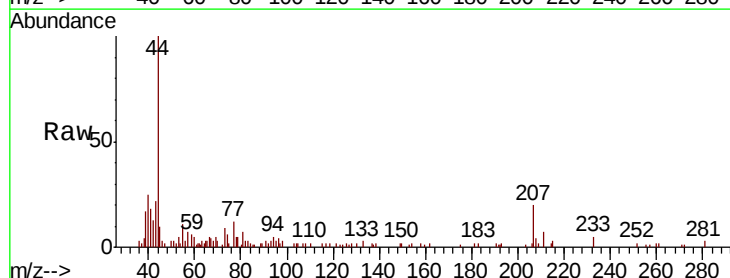
Acq: 25 Apr 2019 13:47

Tgt Ion: 74 Resp: 1537

Ion Ratio Lower Upper

74 100

45 93.7 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.71

1000

800

600

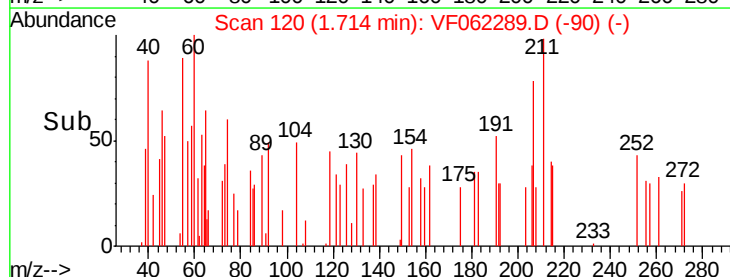
400

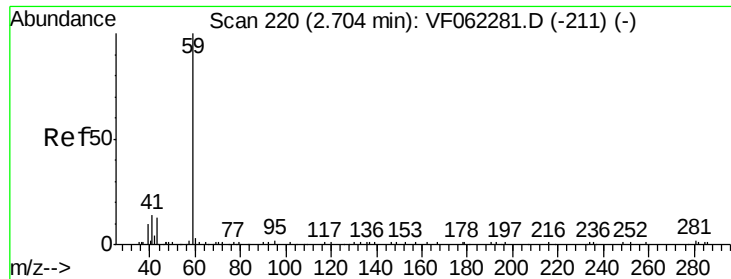
200

0

Time-->

1.65 1.70 1.75



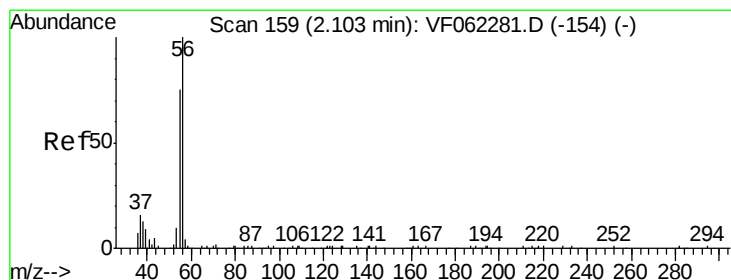
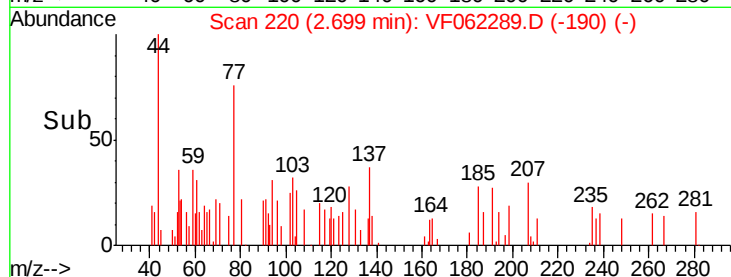
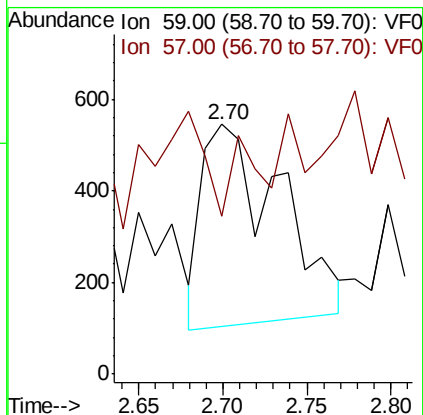
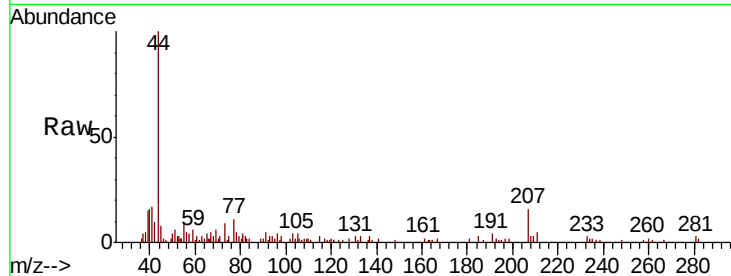


#11

Tert butyl alcohol
Concen: 6.534 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062289.D
Acq: 25 Apr 2019 13:47

Instrument :
MSVOA_F
ClientSampleId :
VF0425SBL01

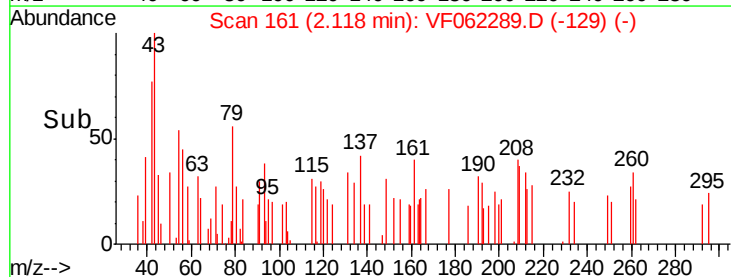
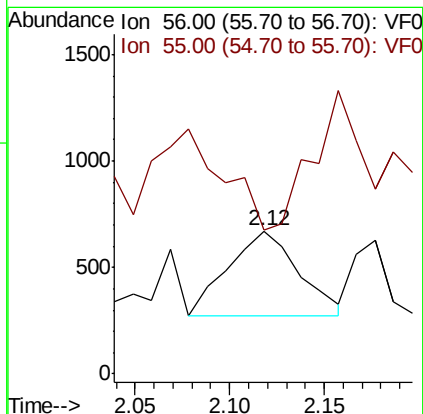
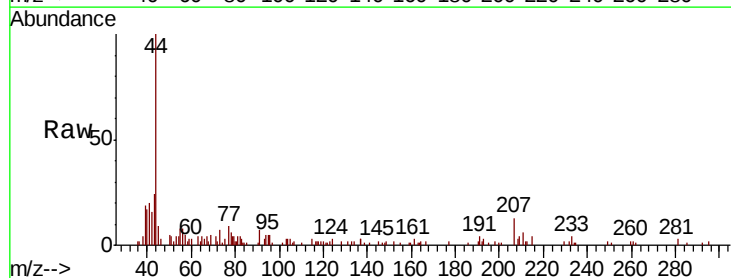
Tot Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 31.5 8.8 13.2#

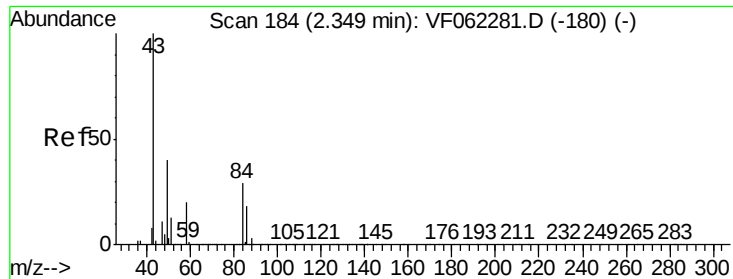


#13

Acrolein
Concen: 13.184 ug/l
RT: 2.12 min Scan# 161
Delta R.T. 0.02 min
Lab File: VF062289.D
Acq: 25 Apr 2019 13:47

Tgt Ion: 56 Resp: 1033
Ion Ratio Lower Upper
56 100
55 0.0 62.3 93.5#





#16

Acetone

Concen: 7.761 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

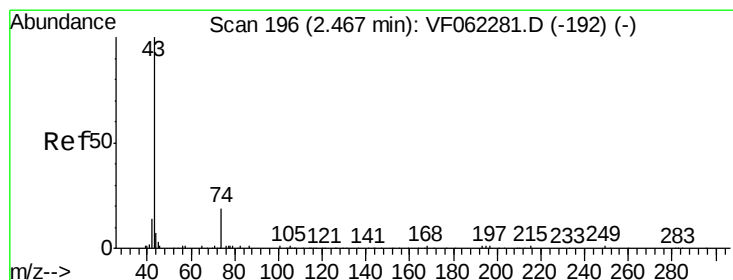
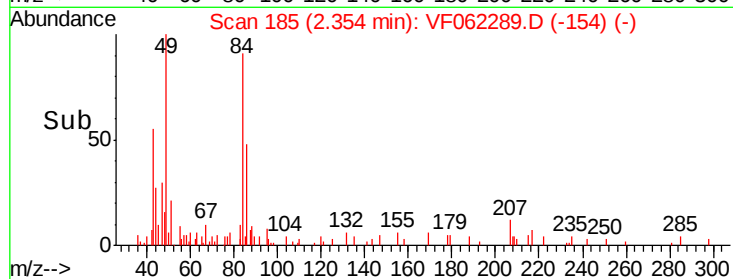
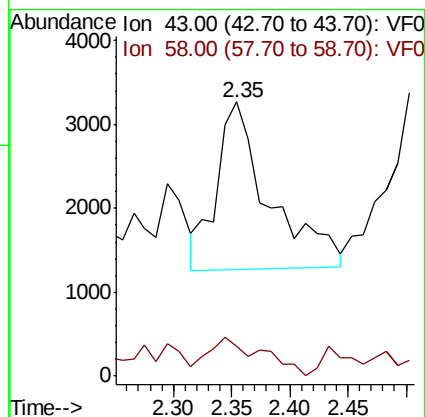
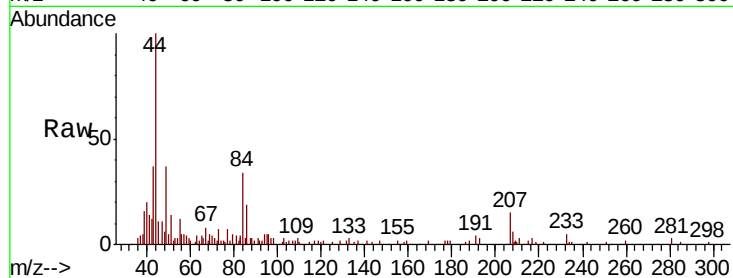
VF0425SBL01

Tot Ion: 43 Resp: 6203

Ion Ratio Lower Upper

43 100

58 13.3 16.4 24.6#



#18

Methyl Acetate

Concen: 6.125 ug/l

RT: 2.50 min Scan# 200

Delta R.T. 0.04 min

Lab File: VF062289.D

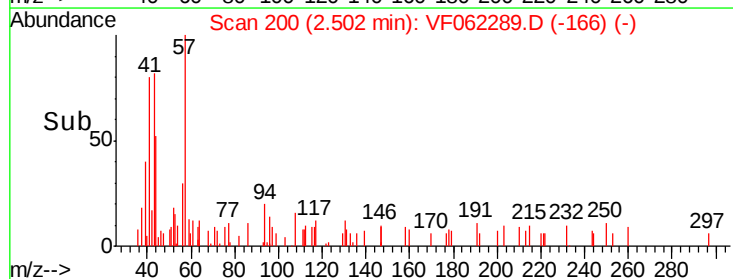
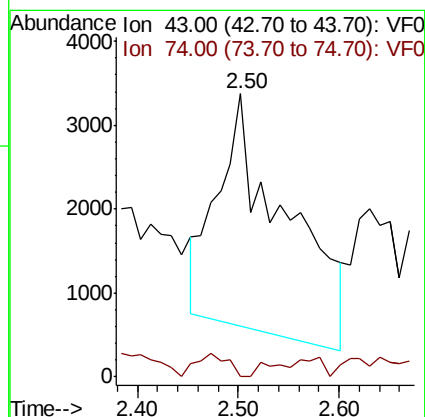
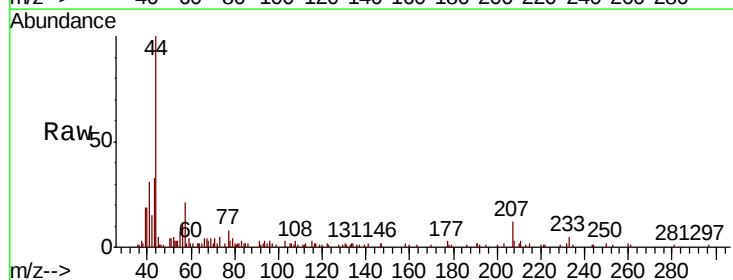
Acq: 25 Apr 2019 13:47

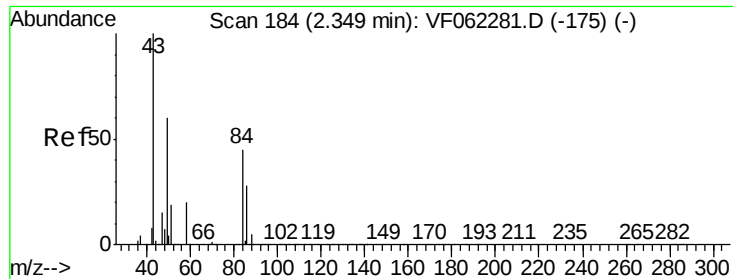
Tgt Ion: 43 Resp: 13008

Ion Ratio Lower Upper

43 100

74 2.5 14.4 21.6#

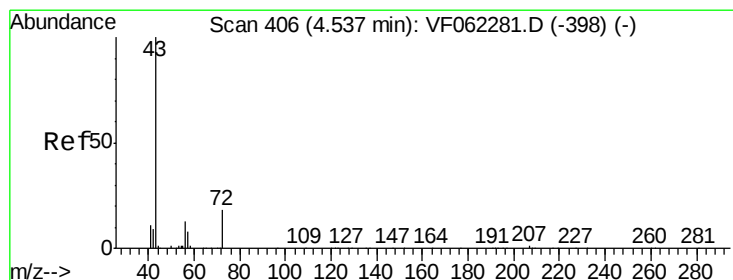
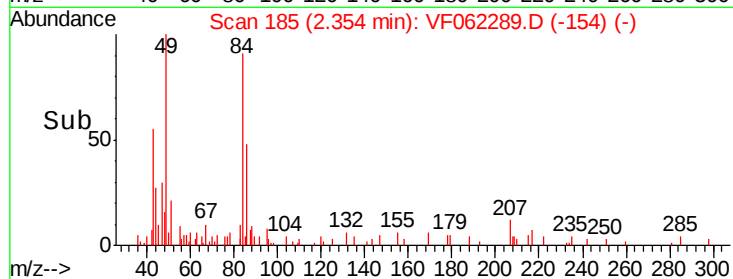
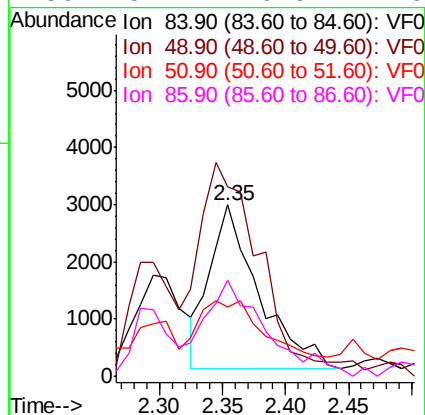
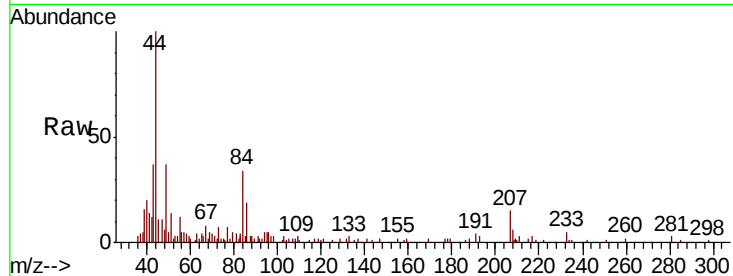




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.35 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062289.D
Acq: 25 Apr 2019 13:47

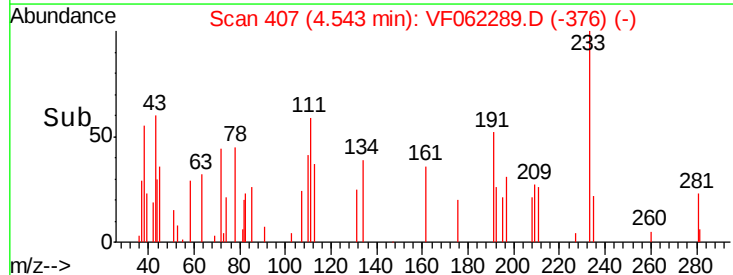
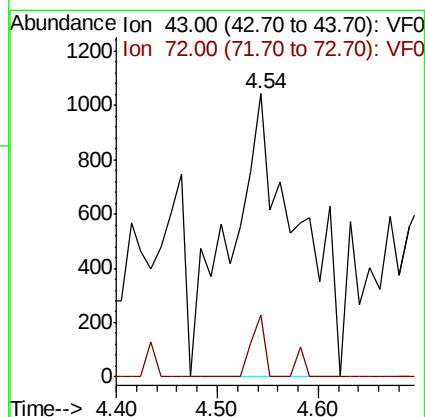
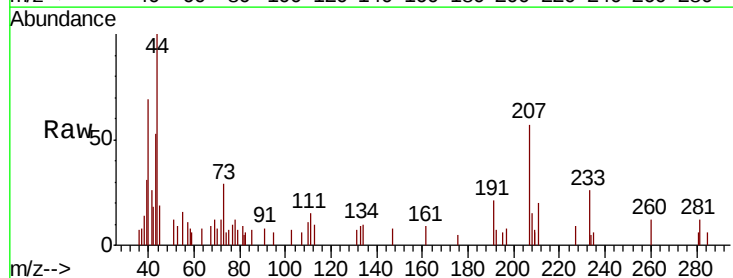
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBL01

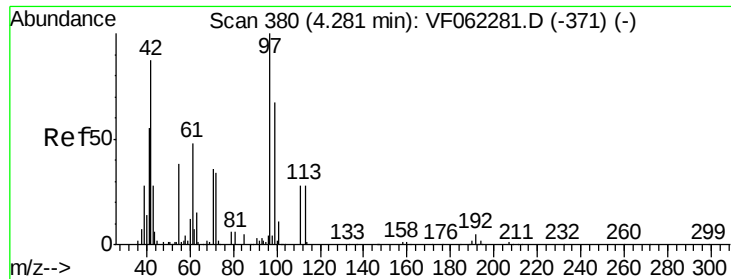
Tot Ion: 84 Resp: 7711
Ion Ratio Lower Upper
84 100
49 107.6 112.1 168.1#
51 29.1 35.9 53.9#
86 54.4 49.9 74.9



#25
2-Butanone
Concen: 3.809 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF062289.D
Acq: 25 Apr 2019 13:47

Tgt Ion: 43 Resp: 4828
Ion Ratio Lower Upper
43 100
72 21.7 15.8 23.6





#29

Tetrahydrofuran

Concen: 1.683 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBL01

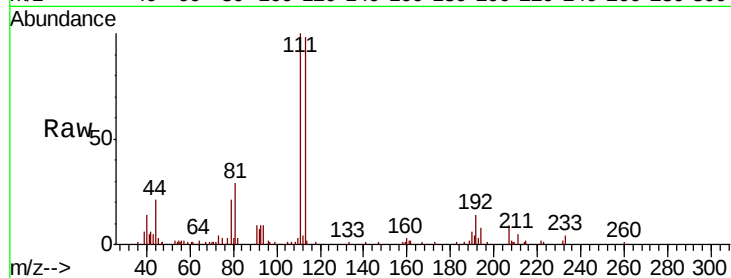
Tot Ion: 42 Resp: 937

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

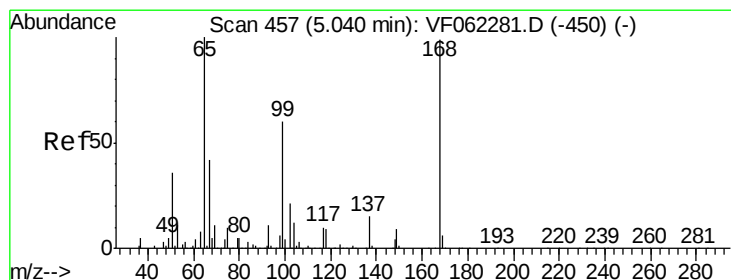
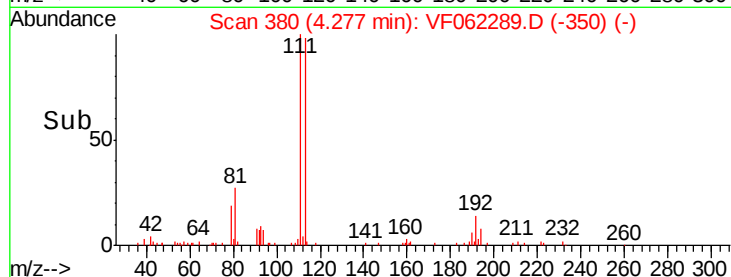
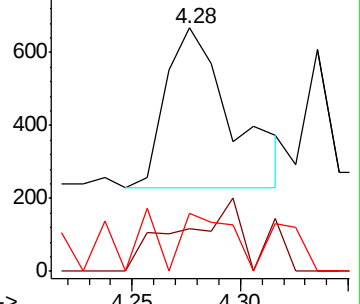
71 26.5 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 55.112 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062289.D

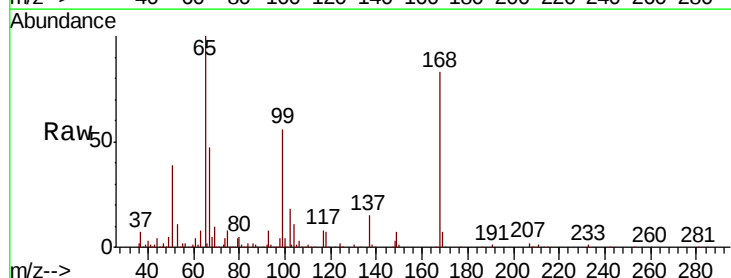
Acq: 25 Apr 2019 13:47

Tgt Ion: 65 Resp: 196745

Ion Ratio Lower Upper

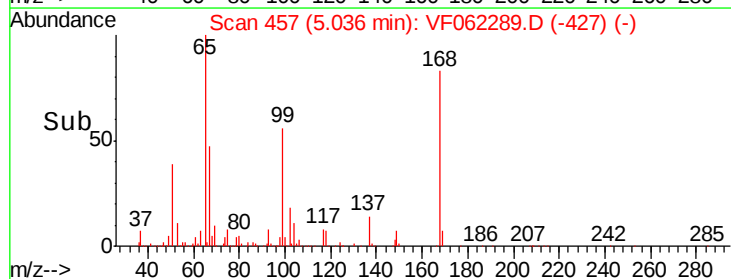
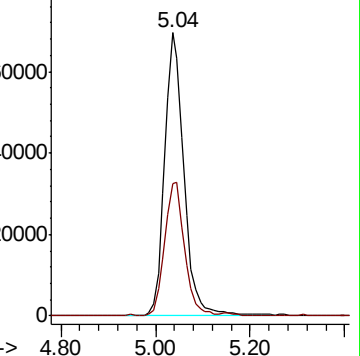
65 100

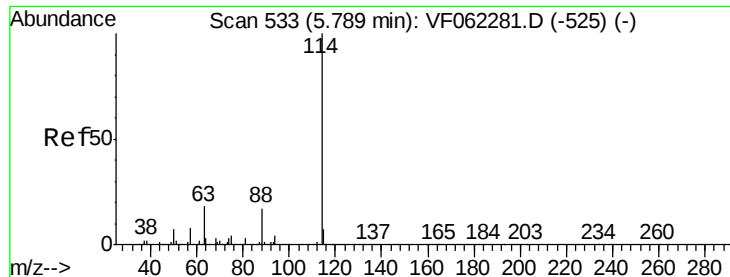
67 47.9 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBL01

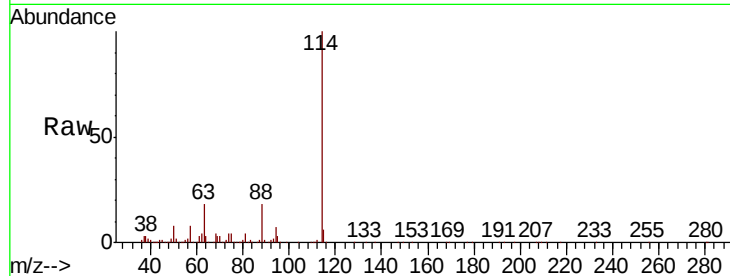
Tot Ion:114 Resp: 616193

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.6

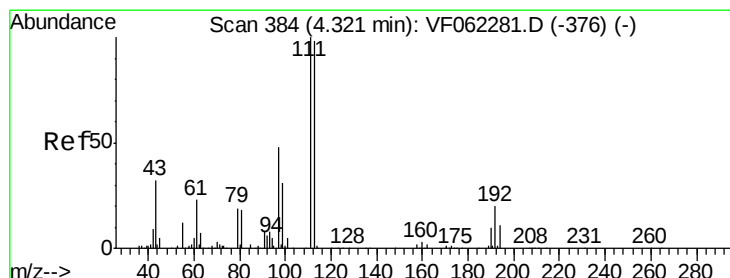
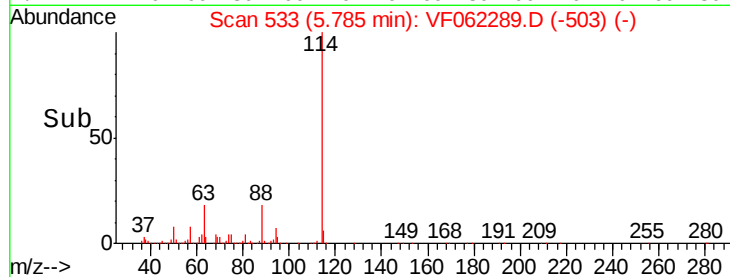
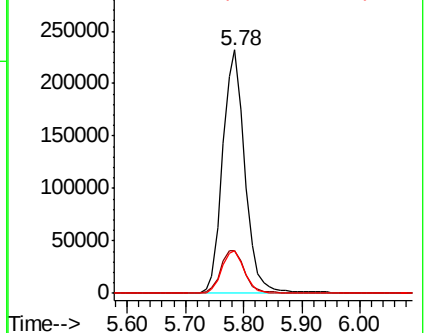
88 17.7 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 55.343 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

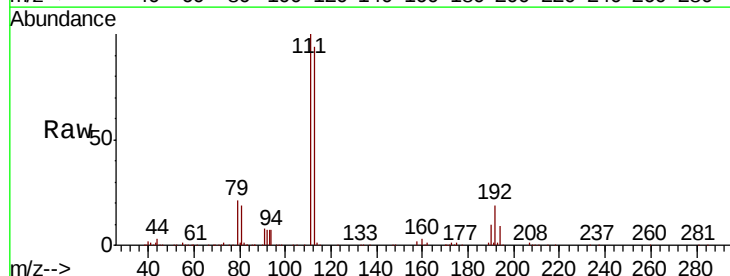
Tgt Ion:113 Resp: 252848

Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.2

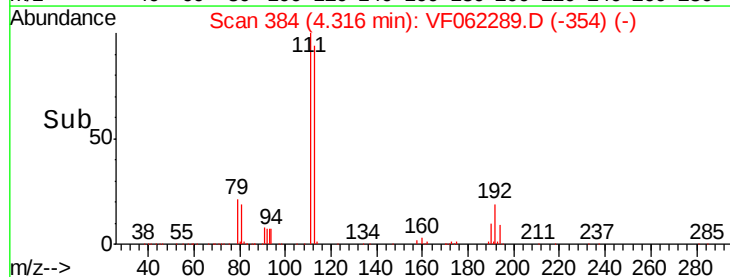
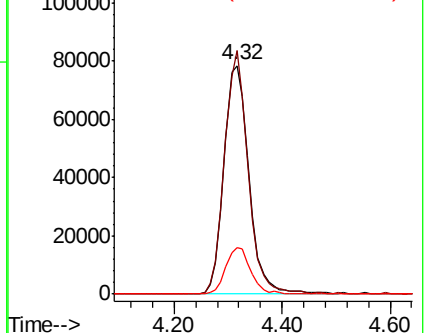
192 20.6 17.0 25.4

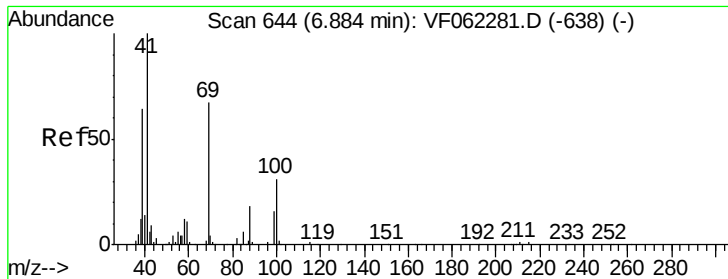


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#49

1,4-Dioxane

Concen: 4.114 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

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VF0425SBL01

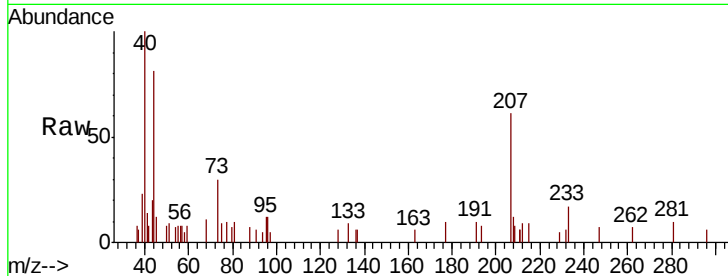
Tot Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.4#

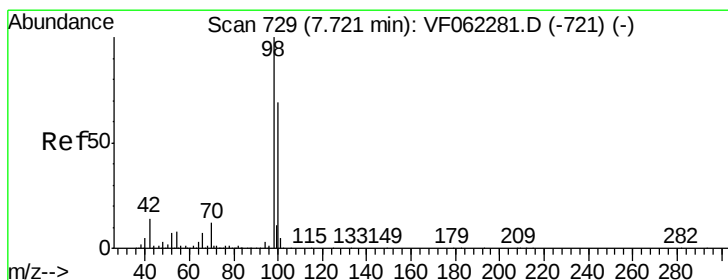
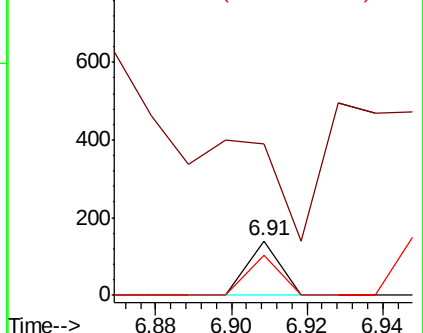
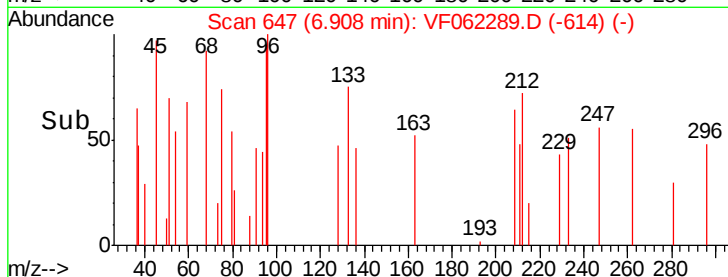
58 72.3 50.7 76.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.198 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.00 min

Lab File: VF062289.D

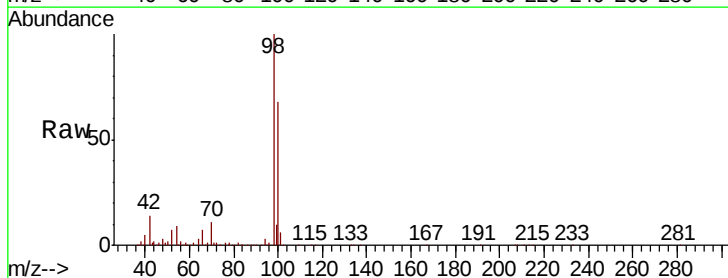
Acq: 25 Apr 2019 13:47

Tgt Ion: 98 Resp: 526713

Ion Ratio Lower Upper

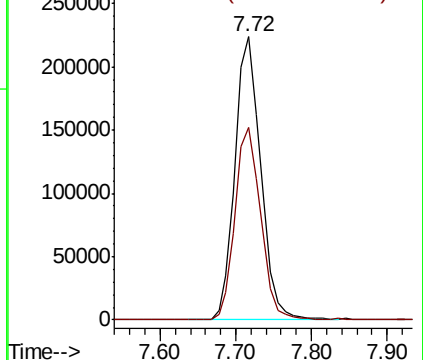
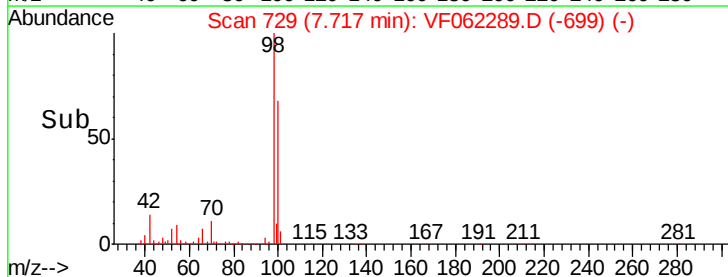
98 100

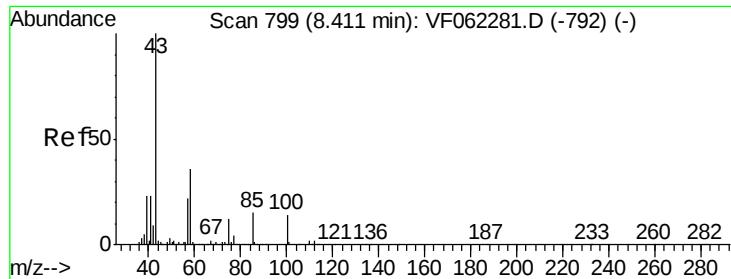
100 67.7 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.296 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.02 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

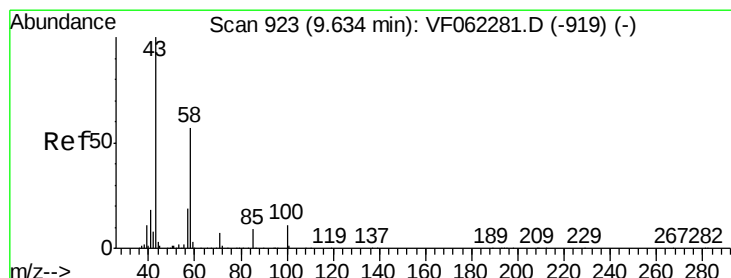
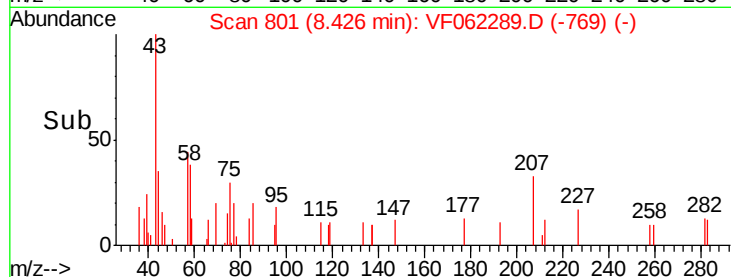
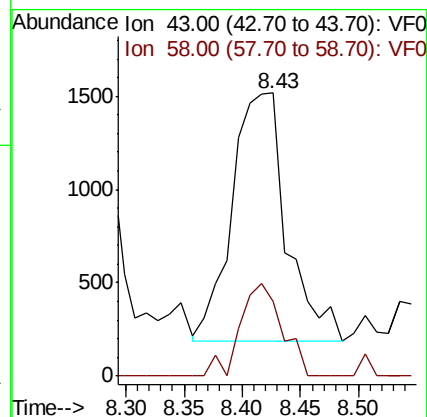
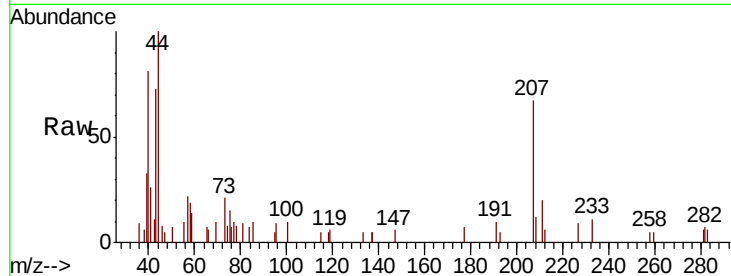
VF0425SBL01

Tot Ion: 43 Resp: 4326

Ion Ratio Lower Upper

43 100

58 28.5 29.1 43.7#



#59

2-Hexanone

Concen: Below Cal

RT: 9.63 min Scan# 923

Delta R.T. -0.00 min

Lab File: VF062289.D

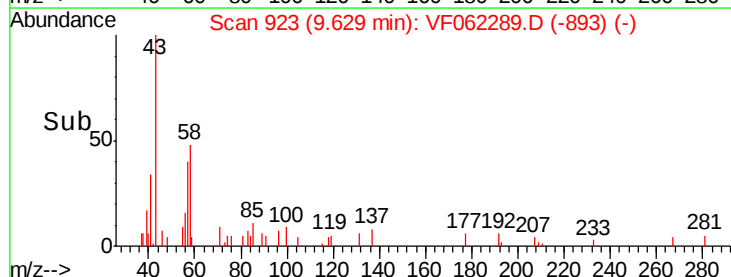
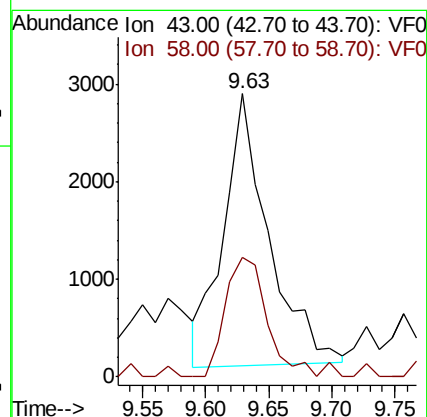
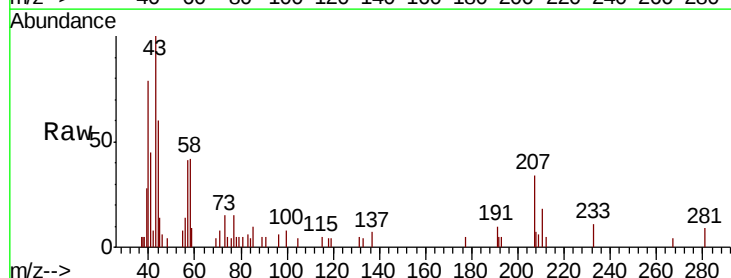
Acq: 25 Apr 2019 13:47

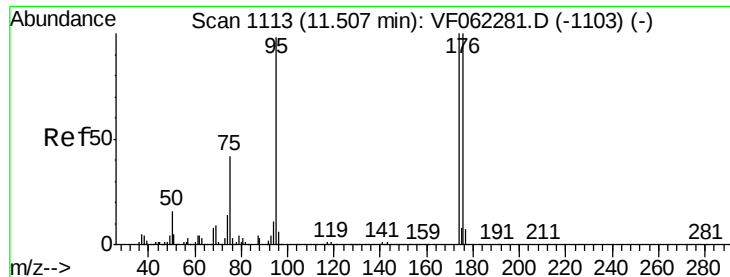
Tgt Ion: 43 Resp: 6952

Ion Ratio Lower Upper

43 100

58 41.4 24.9 74.7





#62

4-Bromofluorobenzene

Concen: 50.073 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBL01

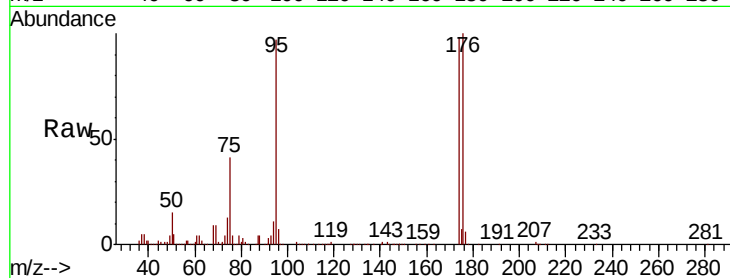
Tot Ion: 95 Resp: 230327

Ion Ratio Lower Upper

95 100

174 95.0 0.0 185.2

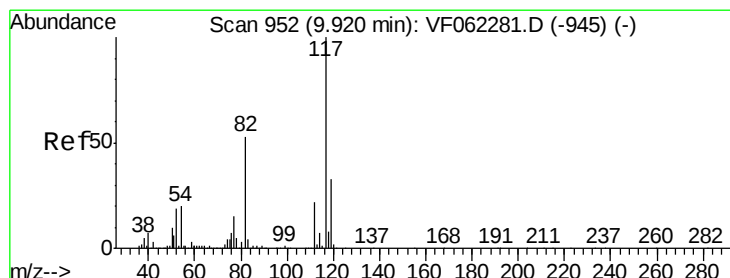
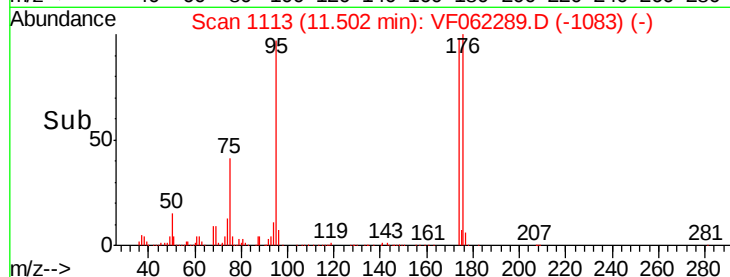
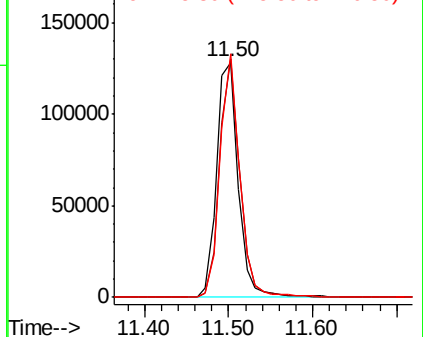
176 94.6 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): VF0

Ion 175.80 (175.50 to 176.50): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF062289.D

Acq: 25 Apr 2019 13:47

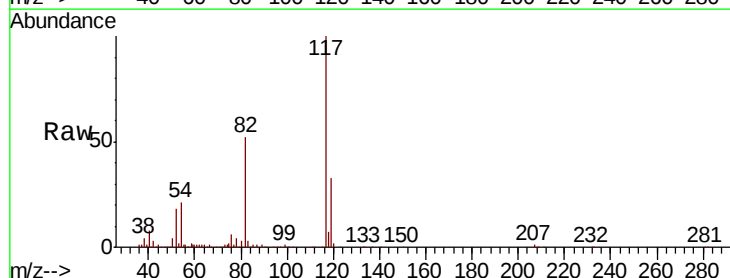
Tgt Ion: 117 Resp: 436994

Ion Ratio Lower Upper

117 100

82 51.7 42.6 64.0

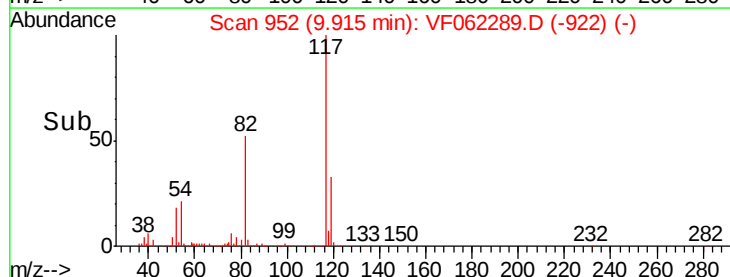
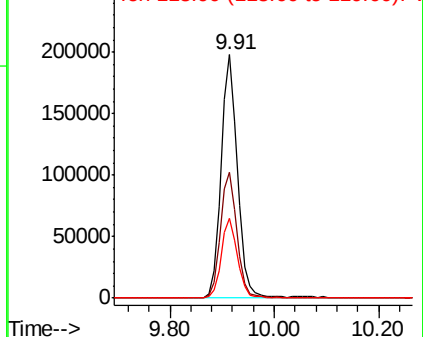
119 32.6 26.1 39.1

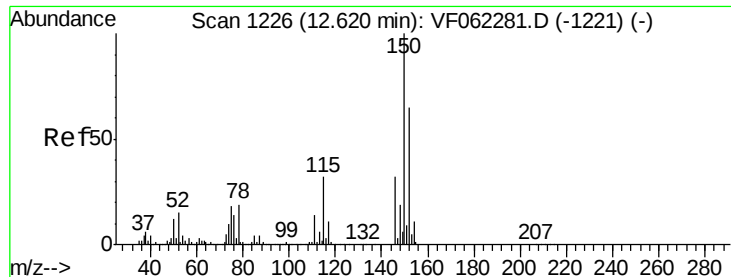


Abundance Ion 116.90 (116.60 to 117.60): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): 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: VF062289.D

Acq: 25 Apr 2019 13:47

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBL01

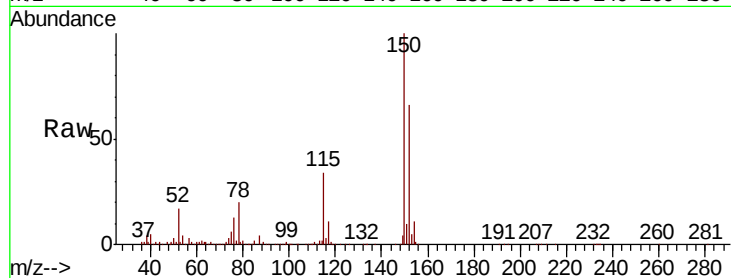
Tot Ion:152 Resp: 269436

Ion Ratio Lower Upper

152 100

115 53.6 25.6 76.8

150 152.6 0.0 330.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

