

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062327.D
 Acq On : 29 Apr 2019 21:56
 Operator : FY/SY
 Sample : K2194-13RE
 Misc : 8.11g/5mL/MSVOA F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:51:49 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	5.04	168	229949	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	325564	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	236645	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	114840	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	130201	69.90	ug/l	-0.02
Spiked Amount			Recovery	=	139.80%	
35) Dibromofluoromethane	4.29	113	158220	65.55	ug/l	-0.03
Spiked Amount			Recovery	=	131.10%	
50) Toluene-d8	7.70	98	280644	47.60	ug/l	-0.02
Spiked Amount			Recovery	=	95.20%	
62) 4-Bromofluorobenzene	11.49	95	126218	51.93	ug/l	-0.02
Spiked Amount			Recovery	=	103.86%	

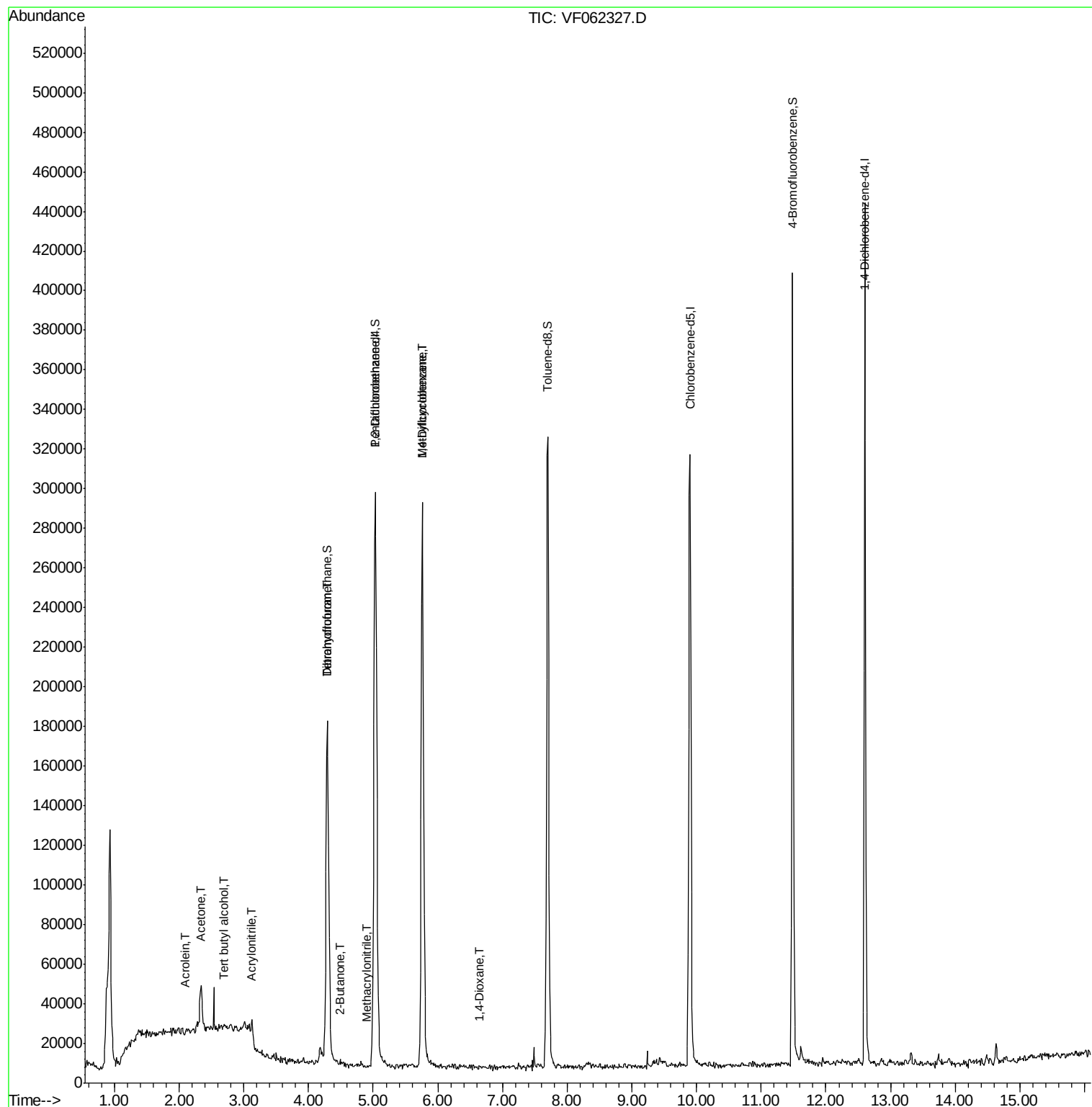
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	956	8.485	ug/l #	71
13) Acrolein	2.08	56	285	10.859	ug/l #	10
15) Acrylonitrile	3.11	53	810	2.596	ug/l #	9
16) Acetone	2.34	43	35432	84.962	ug/l #	91
18) Methyl Acetate	2.45	43	2182	Below Cal	#	36
20) Methylene Chloride	2.27	84	820	Below Cal	#	62
25) 2-Butanone	4.50	43	957	1.447	ug/l #	57
29) Tetrahydrofuran	4.28	42	1955	6.729	ug/l #	58
39) Methylcyclohexane	5.76	83	4526	1.291	ug/l #	45
41) Methacrylonitrile	4.89	41	724	1.031	ug/l #	22
49) 1,4-Dioxane	6.65	88	64	6.004	ug/l #	1
59) 2-Hexanone	9.33	43	238	Below Cal		73

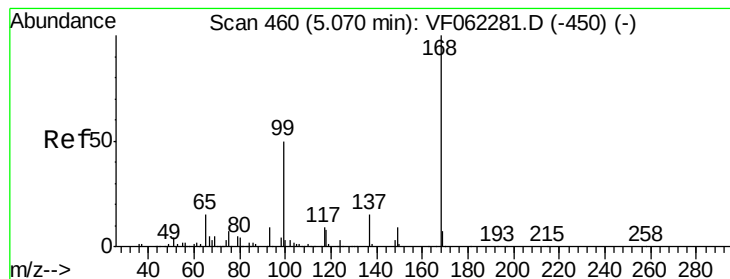
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 30 03:51:49 2019
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: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

Instrument :

MSVOA_F

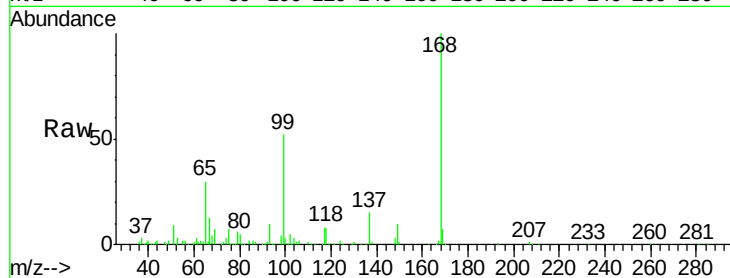
ClientSampleId :

Tot Ion:168 Resp: 229949

Ion Ratio Lower Upper

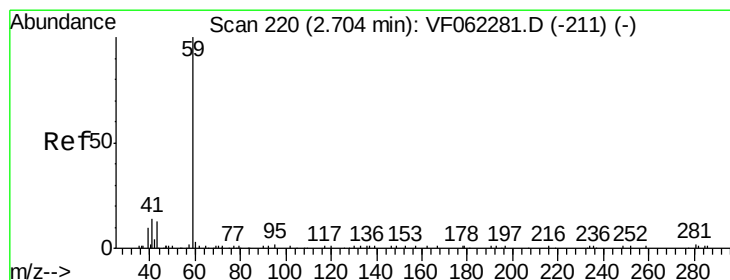
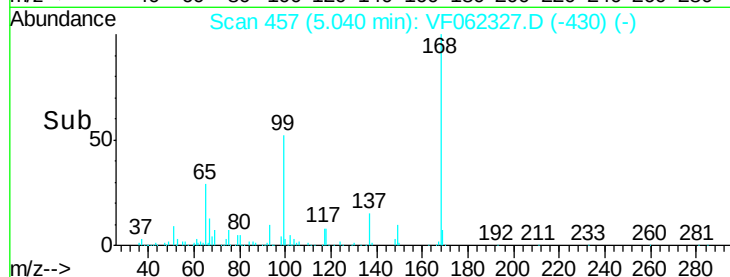
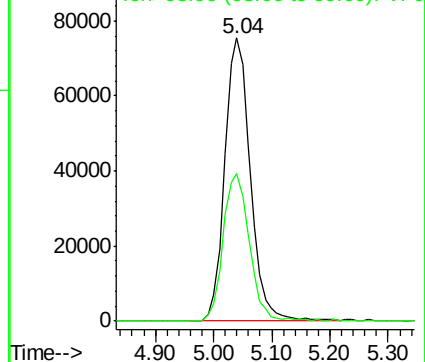
168 100

99 52.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#11

Tert butyl alcohol

Concen: 8.485 ug/l

RT: 2.68 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF062327.D

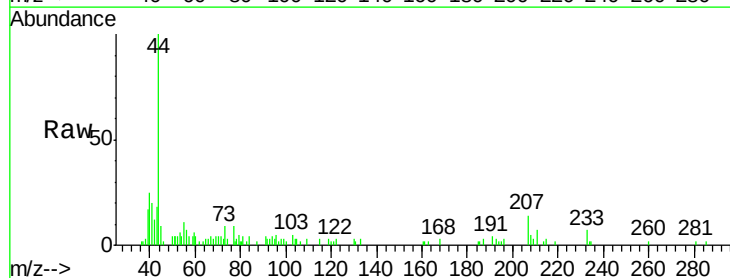
Acq: 29 Apr 2019 21:56

Tgt Ion: 59 Resp: 956

Ion Ratio Lower Upper

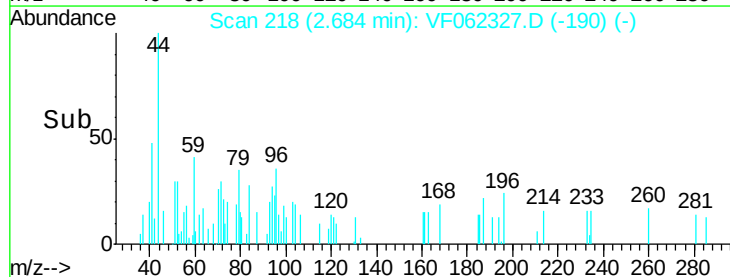
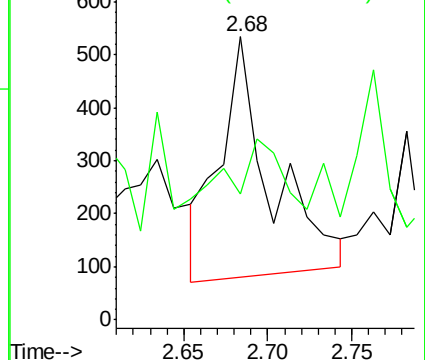
59 100

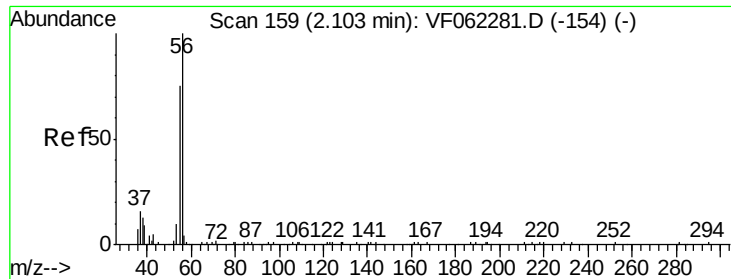
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 10.859 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

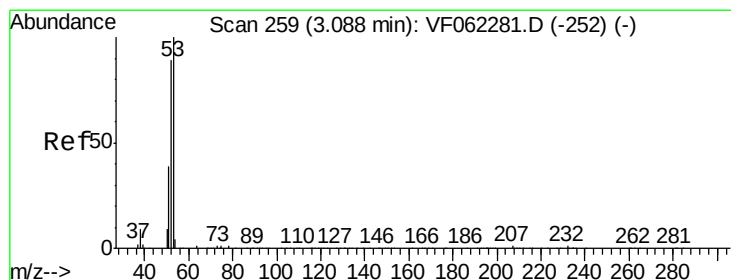
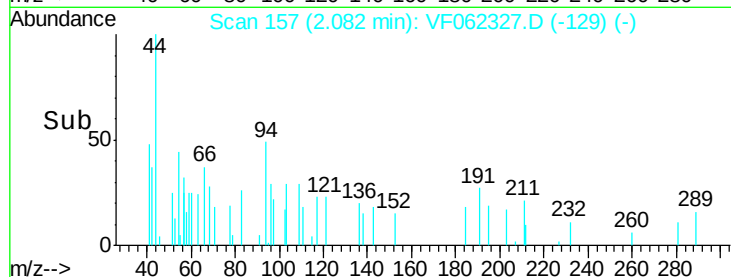
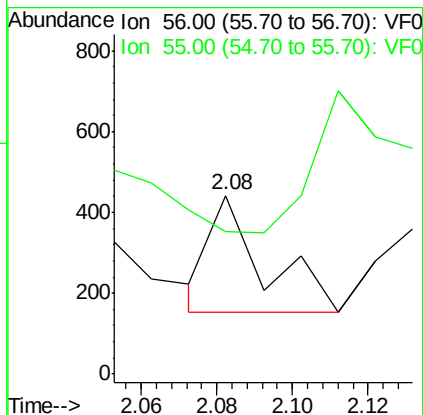
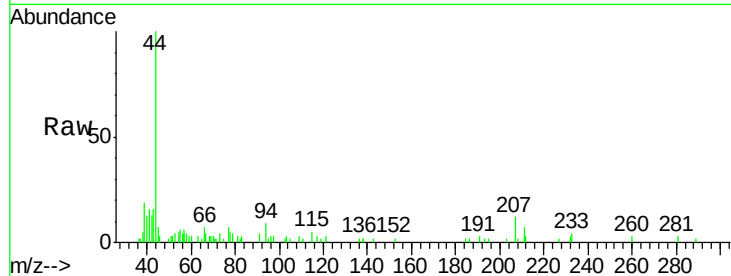
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 0.0 62.3 93.5#



#15

Acrylonitrile

Concen: 2.596 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

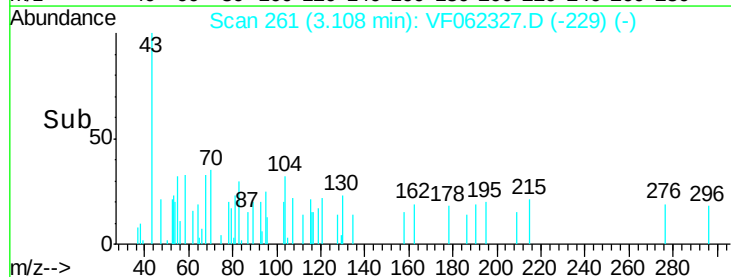
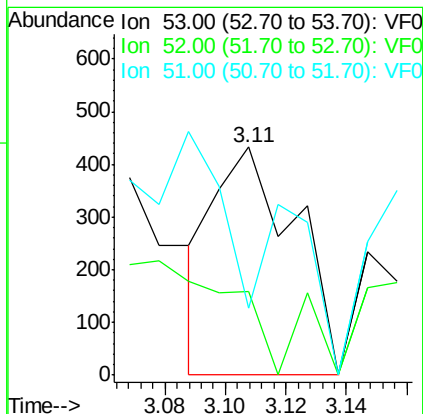
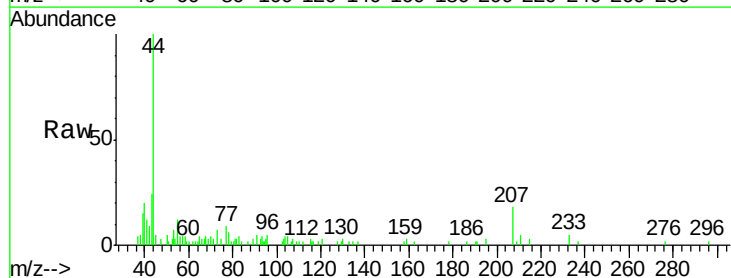
Tgt Ion: 53 Resp: 810

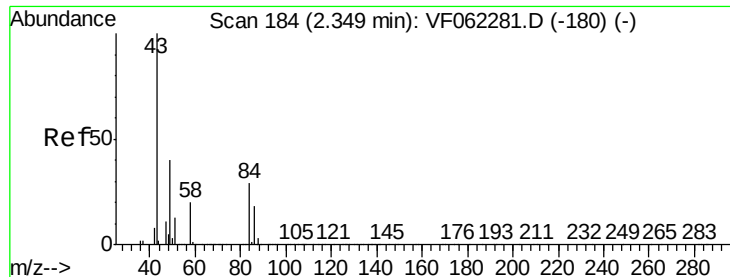
Ion Ratio Lower Upper

53 100

52 0.0 70.6 105.8#

51 91.5 32.6 48.8#

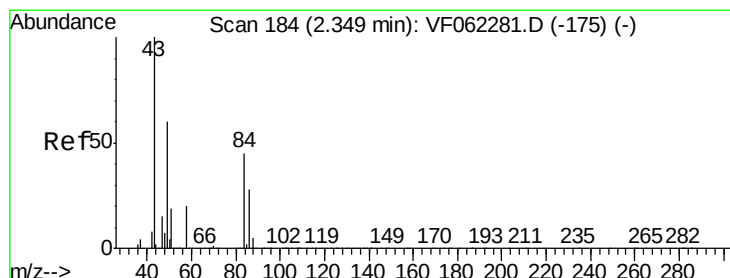
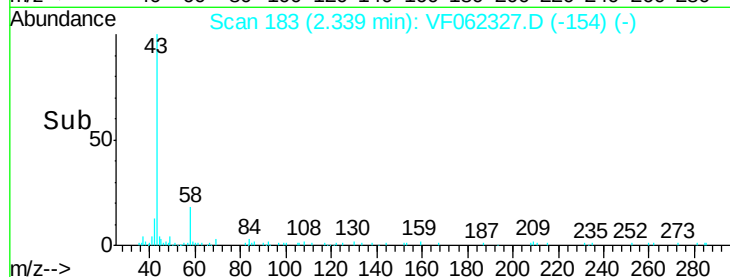
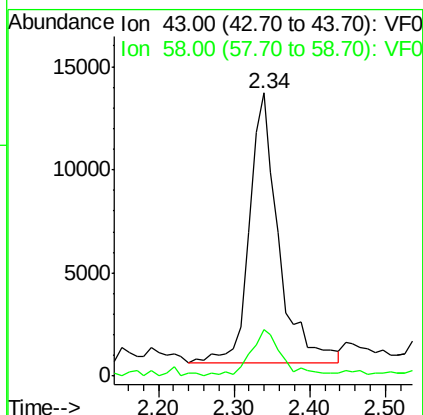
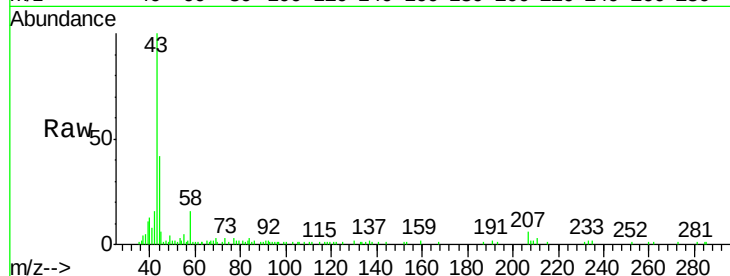




#16
Acetone
Concen: 84.962 ug/l
RT: 2.34 min Scan# 183
Delta R.T. -0.01 min
Lab File: VF062327.D
Acq: 29 Apr 2019 21:56

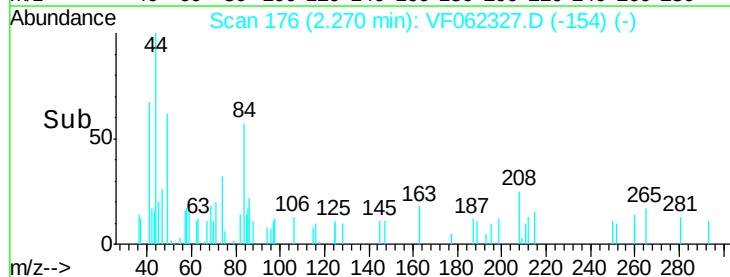
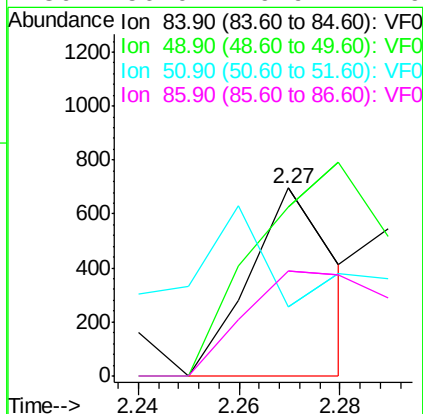
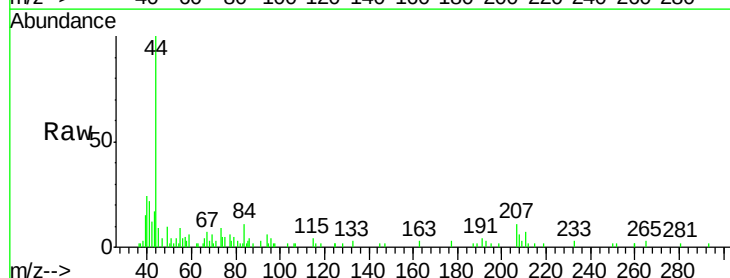
Instrument :
MSVOA_F
ClientSampleId :

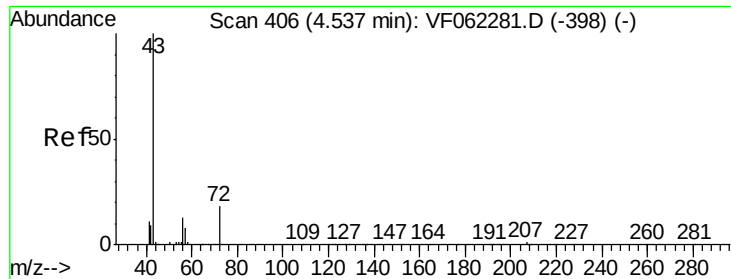
Tot Ion: 43 Resp: 35432
Ion Ratio Lower Upper
43 100
58 16.2 16.4 24.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 176
Delta R.T. -0.08 min
Lab File: VF062327.D
Acq: 29 Apr 2019 21:56

Tgt Ion: 84 Resp: 820
Ion Ratio Lower Upper
84 100
49 89.8 112.1 168.1#
51 0.0 35.9 53.9#
86 56.0 49.9 74.9

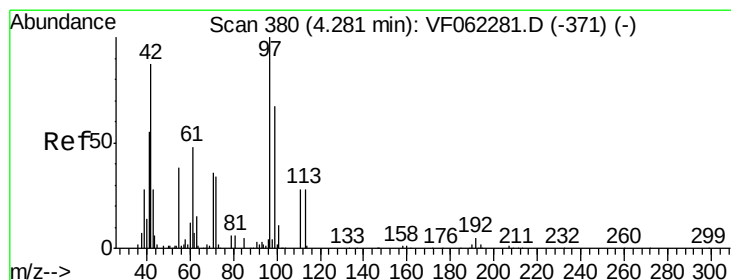
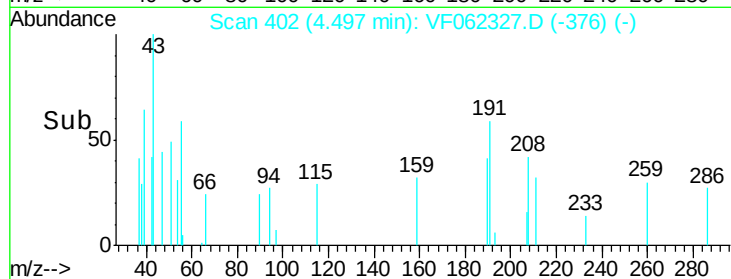
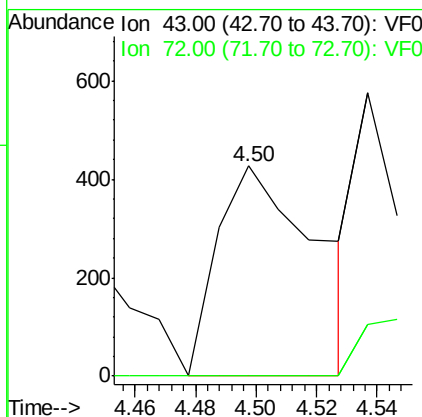
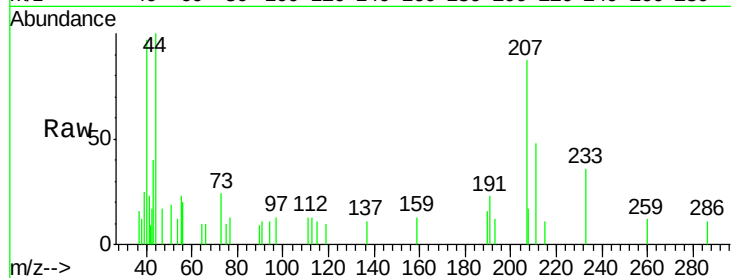




#25
2-Butanone
Concen: 1.447 ug/l
RT: 4.50 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF062327.D
Acq: 29 Apr 2019 21:56

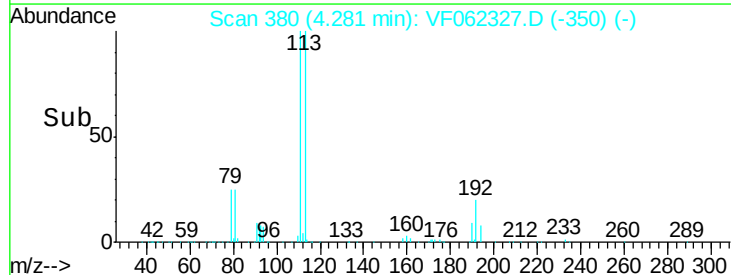
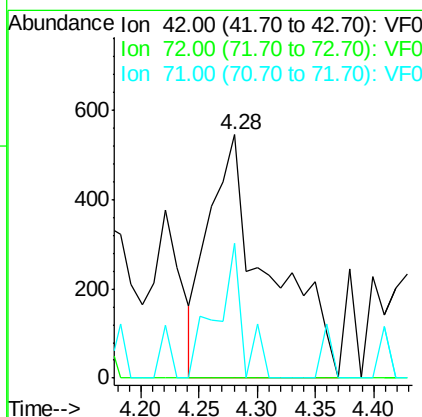
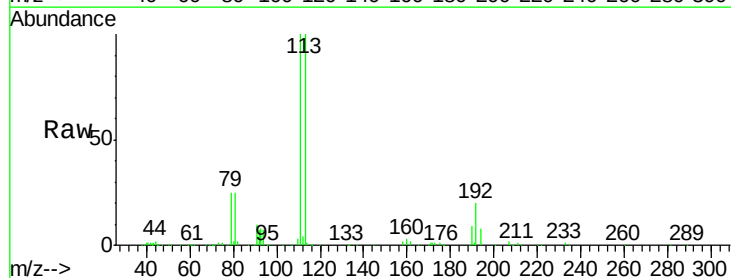
Instrument :
MSVOA_F
ClientSampleId :

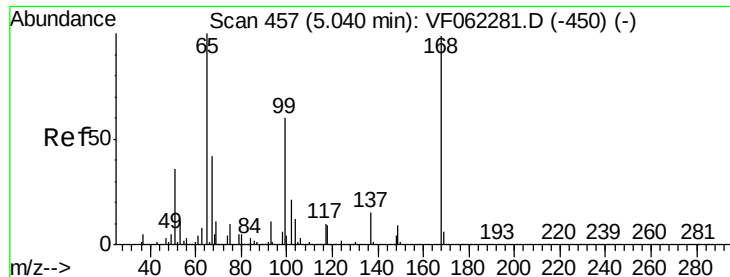
Tot Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
72 0.0 15.8 23.6#



#29
Tetrahydrofuran
Concen: 6.729 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062327.D
Acq: 29 Apr 2019 21:56

Tgt Ion: 42 Resp: 1955
Ion Ratio Lower Upper
42 100
72 0.0 29.3 43.9#
71 24.8 31.2 46.8#

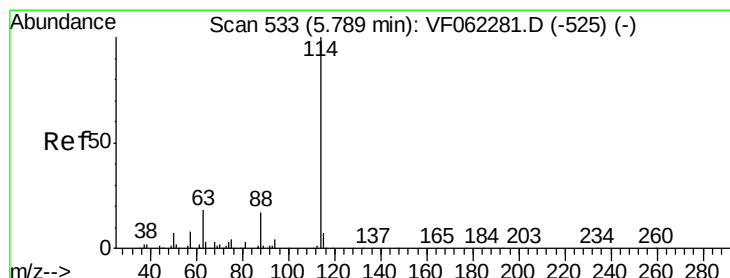
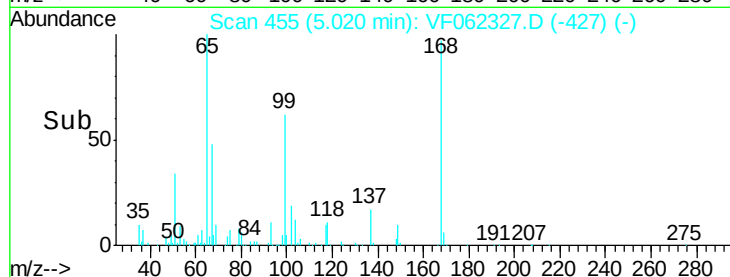
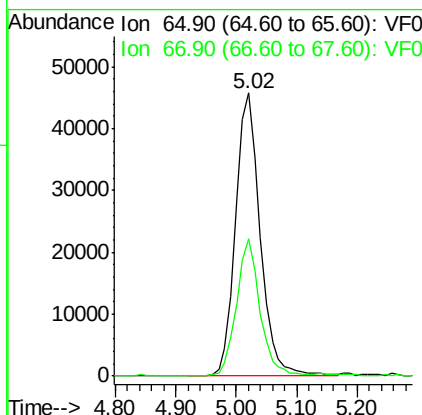
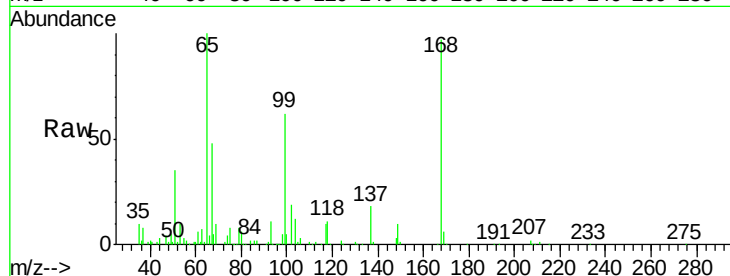




#33
 1,2-Dichloroethane-d4
 Concen: 69.902 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062327.D
 Acq: 29 Apr 2019 21:56

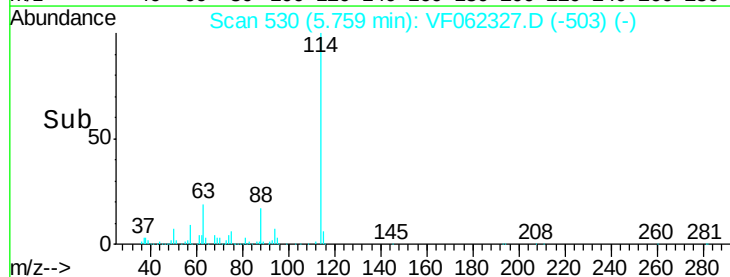
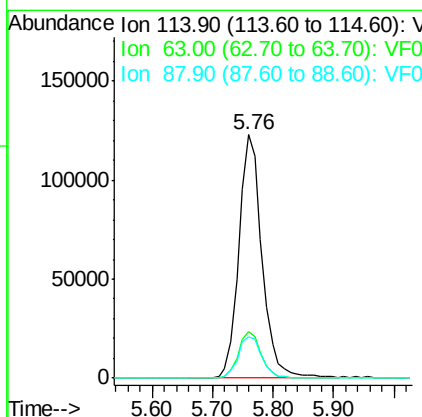
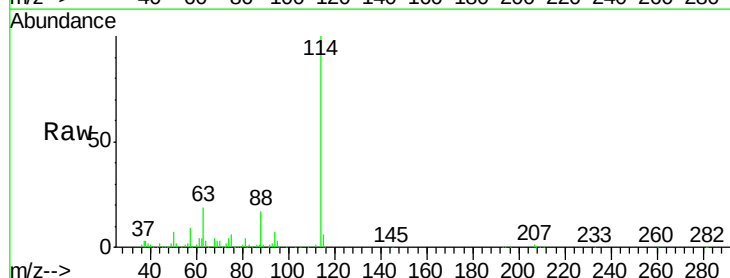
Instrument :
 MSVOA_F
 ClientSampleId :

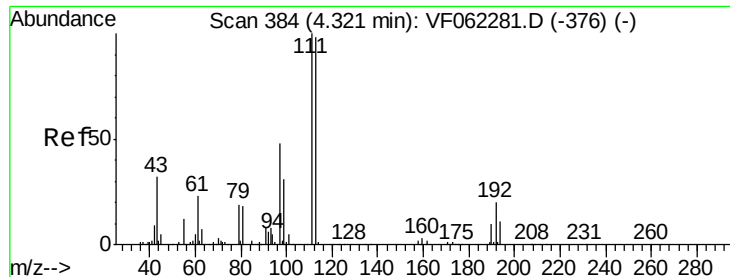
Tot Ion: 65 Resp: 130201
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF062327.D
 Acq: 29 Apr 2019 21:56

Tgt Ion: 114 Resp: 325564
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 35.6
 88 16.8 0.0 34.6

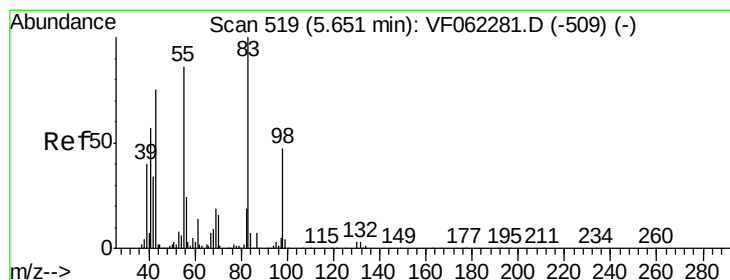
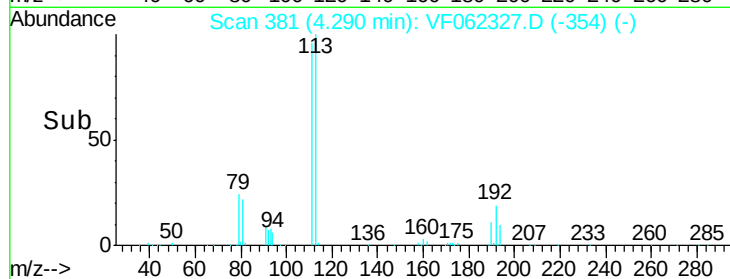
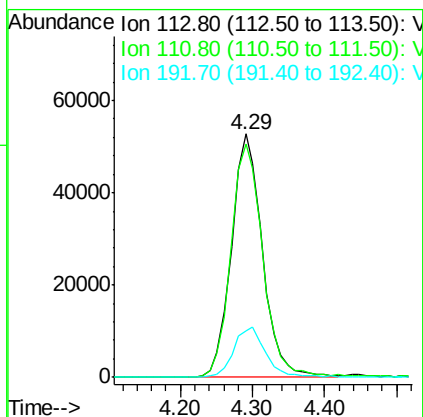
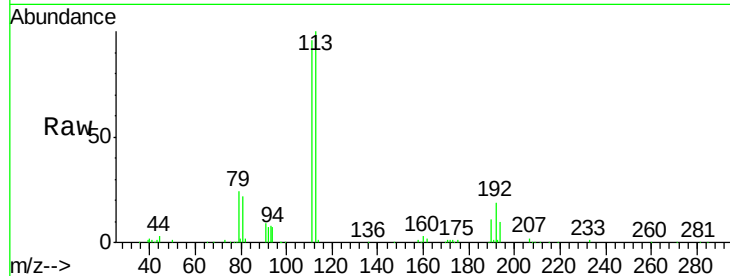




#35
 Dibromofluoromethane
 Concen: 65.545 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.03 min
 Lab File: VF062327.D
 Acq: 29 Apr 2019 21:56

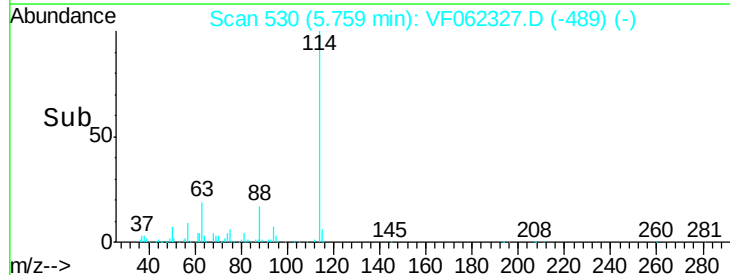
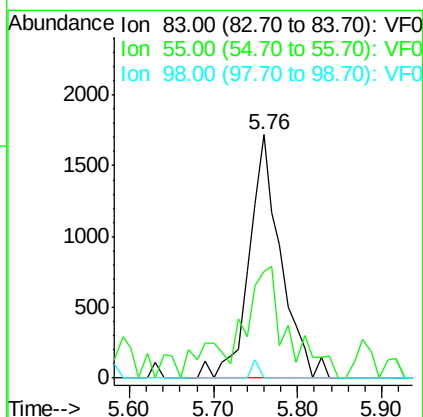
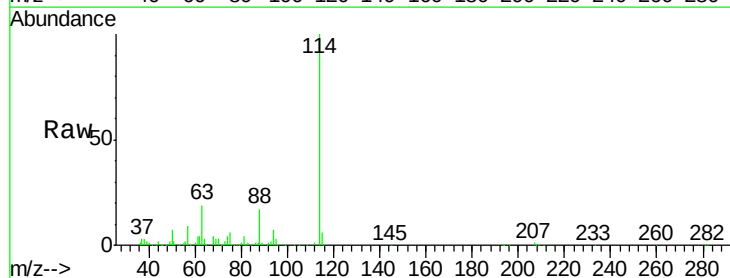
Instrument :
 MSVOA_F
 ClientSampleId :

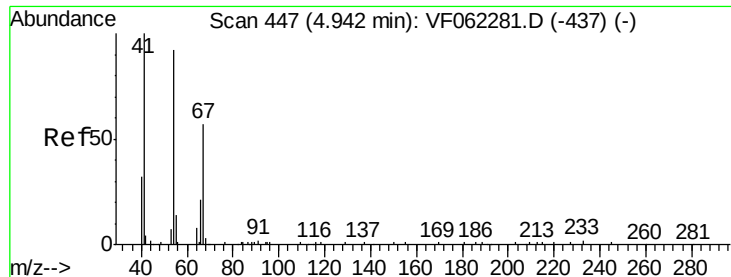
Tot Ion:113 Resp: 158220
 Ion Ratio Lower Upper
 113 100
 111 99.4 81.4 122.2
 192 21.2 17.0 25.4



#39
 Methylcyclohexane
 Concen: 1.291 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. 0.11 min
 Lab File: VF062327.D
 Acq: 29 Apr 2019 21:56

Tgt Ion: 83 Resp: 4526
 Ion Ratio Lower Upper
 83 100
 55 43.6 68.7 103.1#
 98 0.0 37.4 56.2#





#41

Methacrylonitrile

Concen: 1.031 ug/l

RT: 4.89 min Scan# 442

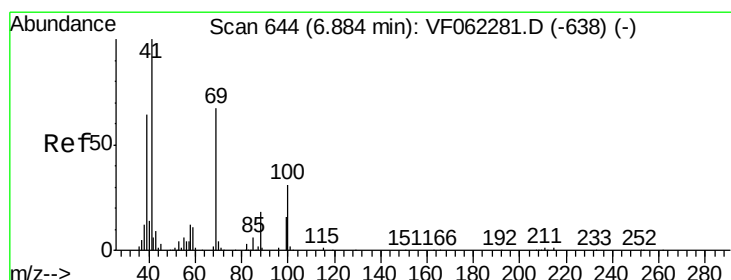
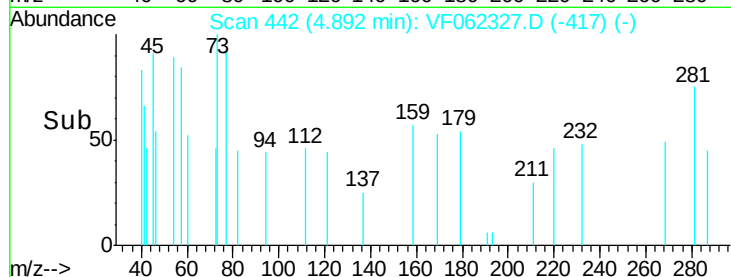
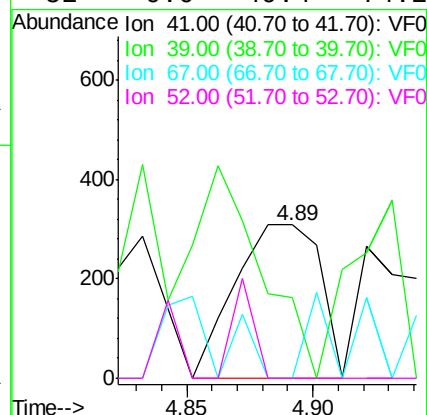
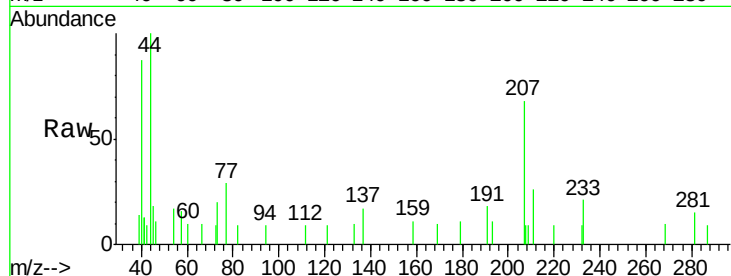
Delta R.T. -0.05 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	41	Resp:	724
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.3	70.9#
67	0.0	41.3	61.9#
52	0.0	49.4	74.2#



#49

1,4-Dioxane

Concen: 6.004 ug/l

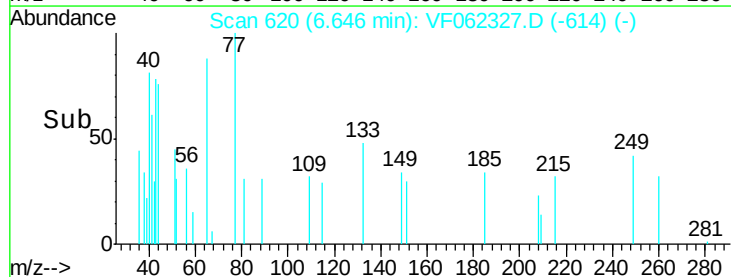
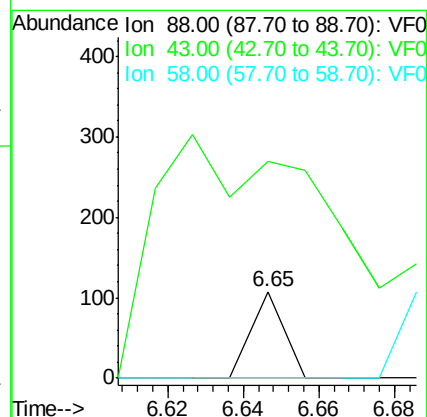
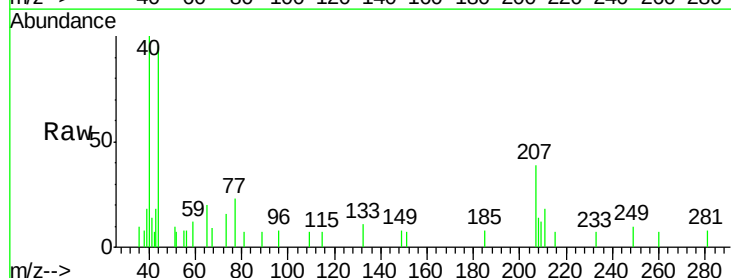
RT: 6.65 min Scan# 620

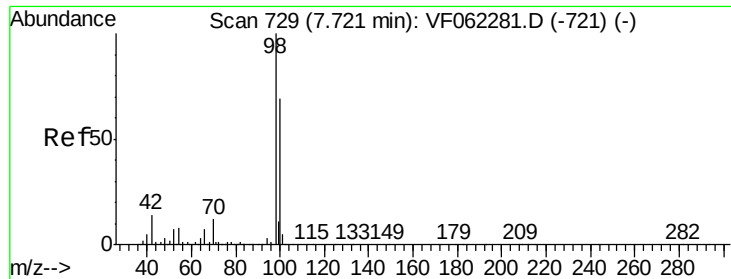
Delta R.T. -0.24 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

Tgt Ion:	88	Resp:	64
Ion	Ratio	Lower	Upper
88	100		
43	1603.1	34.2	51.4#
58	0.0	50.7	76.1#

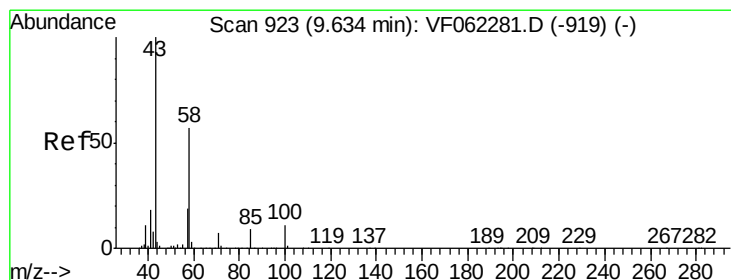
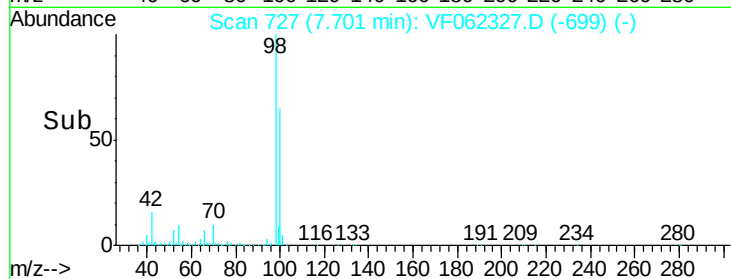
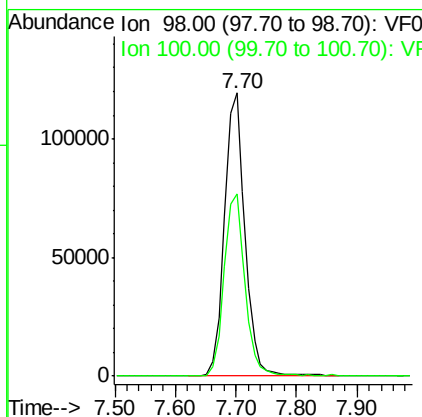
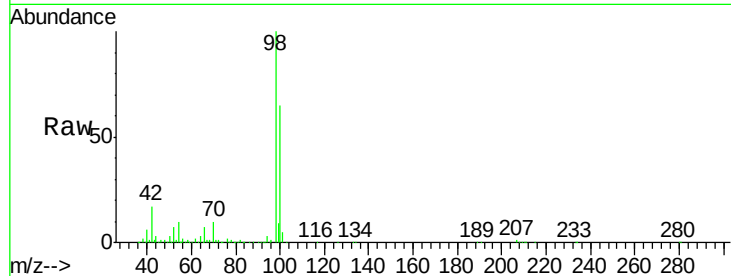




#50
Toluene-d8
Concen: 47.597 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062327.D
Acq: 29 Apr 2019 21:56

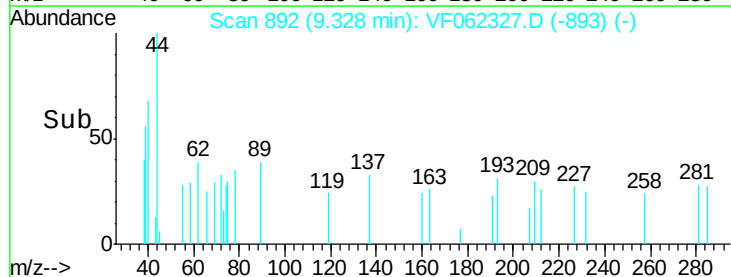
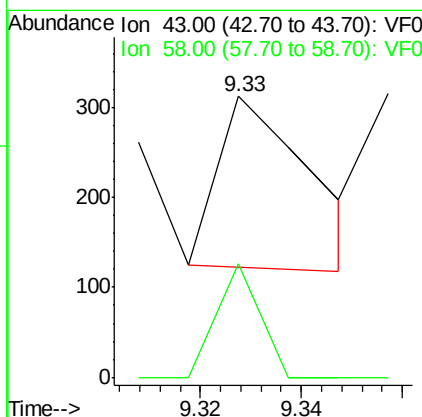
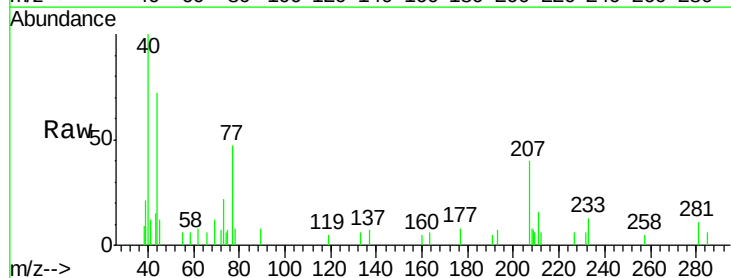
Instrument :
MSVOA_F
ClientSampleId :

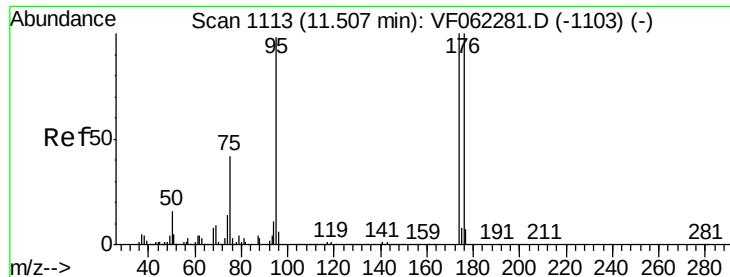
Tot Ion: 98 Resp: 280644
Ion Ratio Lower Upper
98 100
100 65.7 54.4 81.6



#59
2-Hexanone
Concen: Below Cal
RT: 9.33 min Scan# 892
Delta R.T. -0.31 min
Lab File: VF062327.D
Acq: 29 Apr 2019 21:56

Tgt Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
58 31.5 24.9 74.7





#62

4-Bromofluorobenzene

Concen: 51.935 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

Instrument :

MSVOA_F

ClientSampled :

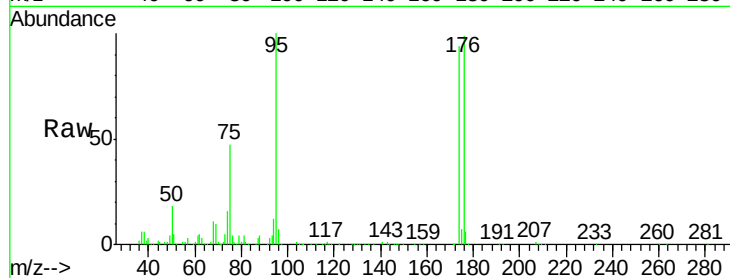
Tot Ion: 95 Resp: 126218

Ion Ratio Lower Upper

95 100

174 95.9 0.0 185.2

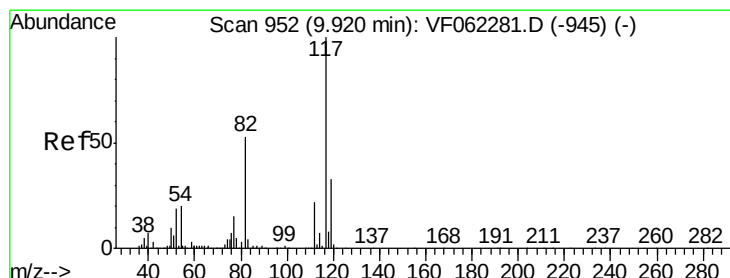
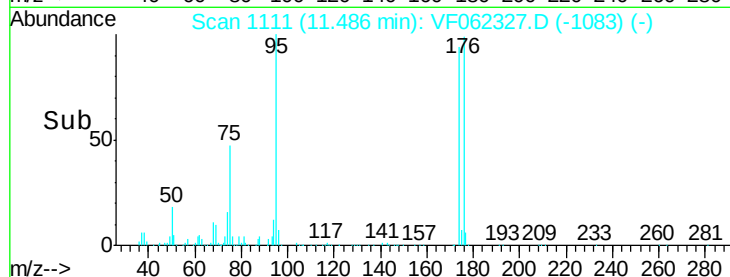
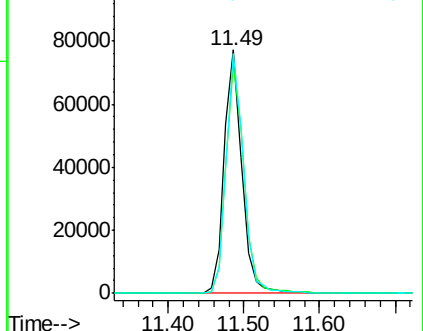
176 96.8 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 950

Delta R.T. -0.02 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

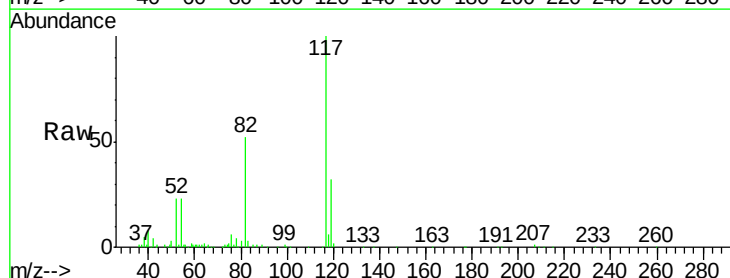
Tgt Ion: 117 Resp: 236645

Ion Ratio Lower Upper

117 100

82 52.1 42.6 64.0

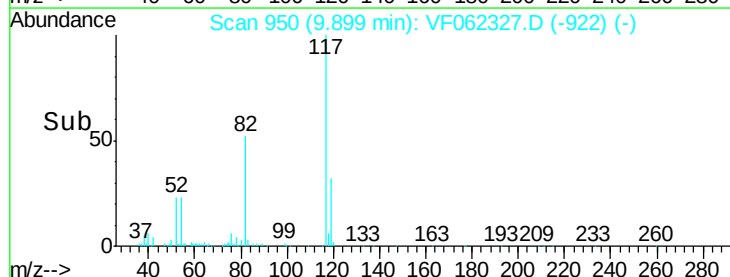
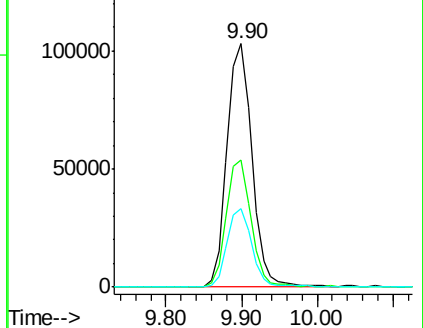
119 32.2 26.1 39.1

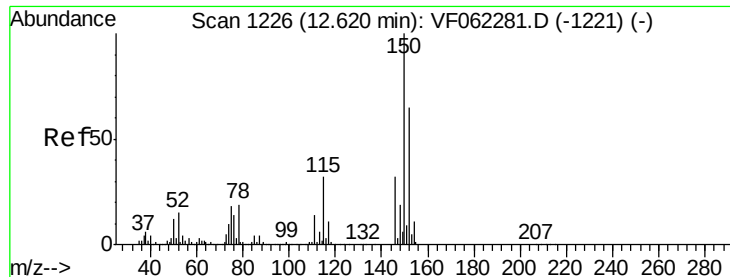


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062327.D

Acq: 29 Apr 2019 21:56

Instrument :

MSVOA_F

ClientSampleId :

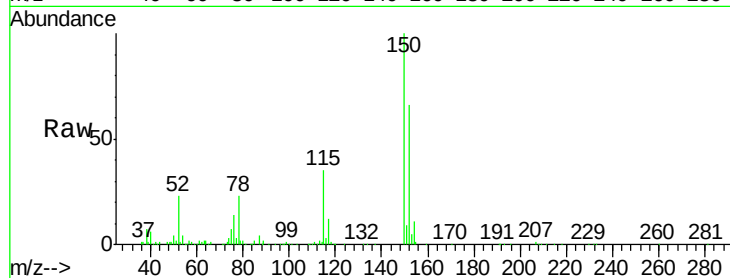
Tot Ion:152 Resp: 114840

Ion Ratio Lower Upper

152 100

115 54.6 25.6 76.8

150 156.6 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

