

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062320.D
 Acq On : 29 Apr 2019 18:43
 Operator : FY/SY
 Sample : K2199-19RE
 Misc : 6.03g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Apr 30 03:49:37 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

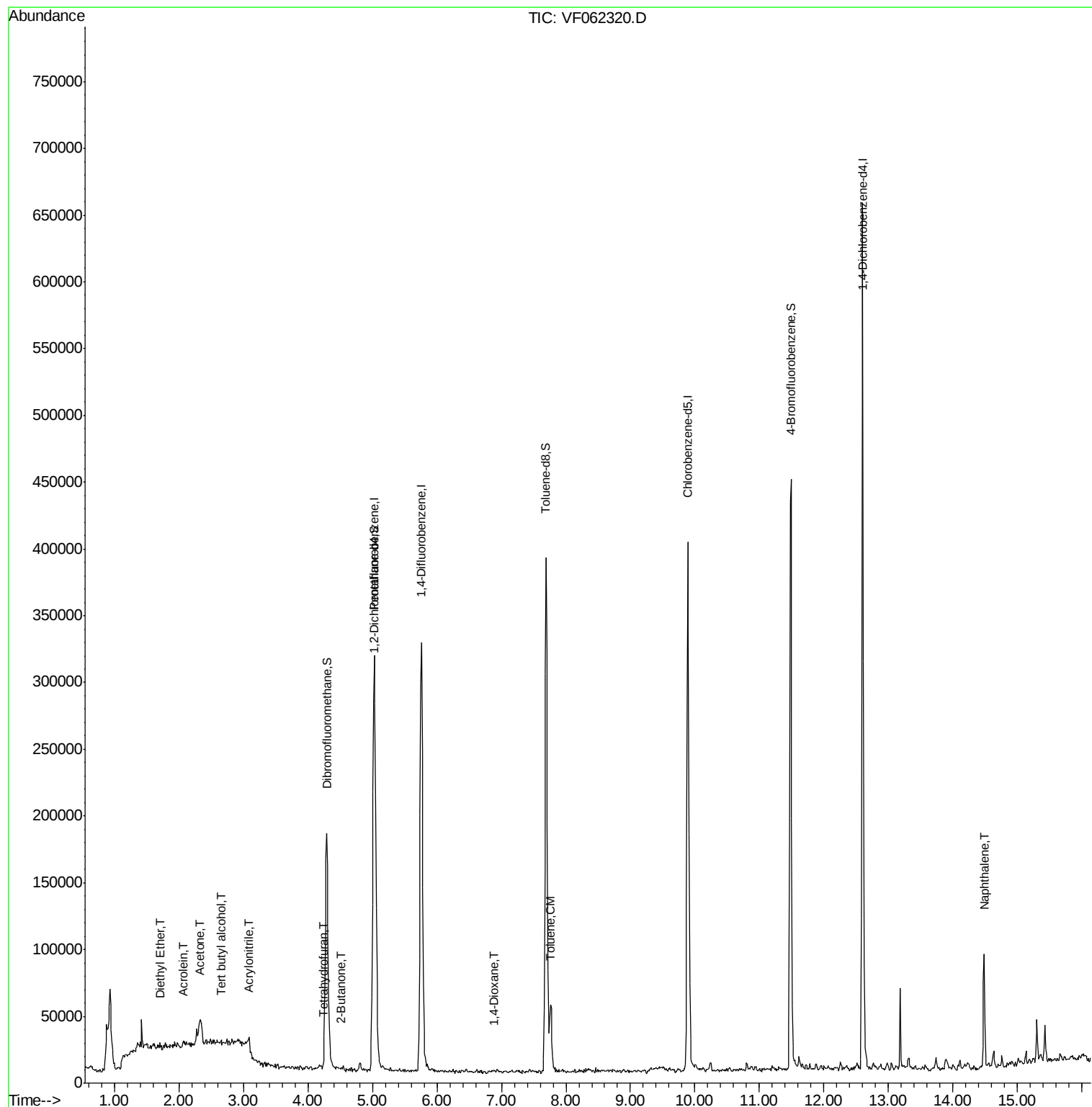
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	251003	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	360814	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	284843	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	176657	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	131490	64.67	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	129.34%	
35) Dibromofluoromethane	4.29	113	162043	60.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	121.14%	
50) Toluene-d8	7.69	98	325263	49.78	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.48	95	157458	58.46	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	116.92%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.70	74	1175	1.715	ug/l	57
11) Tert butyl alcohol	2.65	59	745	6.057	ug/l #	71
13) Acrolein	2.08	56	403	11.630	ug/l #	1
15) Acrylonitrile	3.08	53	901	2.645	ug/l #	54
16) Acetone	2.34	43	9082	19.951	ug/l	100
18) Methyl Acetate	2.42	43	1006	Below Cal	#	35
20) Methylene Chloride	2.33	84	9427	Below Cal		94
25) 2-Butanone	4.51	43	1603	2.221	ug/l #	57
29) Tetrahydrofuran	4.23	42	1593	5.023	ug/l #	41
49) 1,4-Dioxane	6.87	88	84	7.110	ug/l #	24
52) Toluene	7.76	92	25299	5.451	ug/l	100
59) 2-Hexanone	9.60	43	3947	Below Cal		74
95) Naphthalene	14.48	128	59219	8.468	ug/l	98

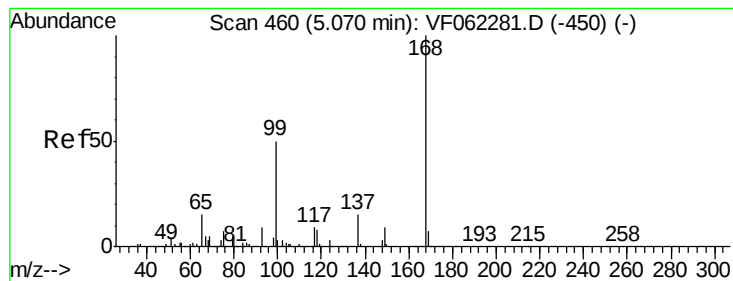
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042919\
Data File : VF062320.D
Acq On : 29 Apr 2019 18:43
Operator : FY/SY
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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: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

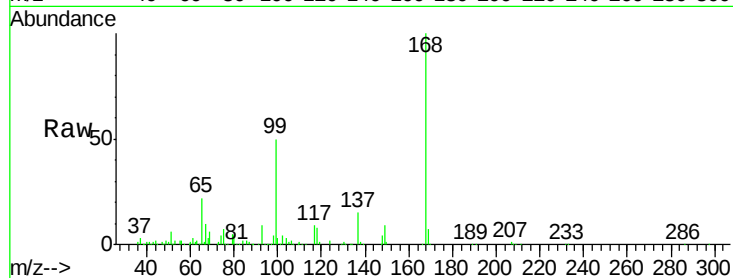
ClientSampleId :

Tot Ion:168 Resp: 251003

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.04

80000

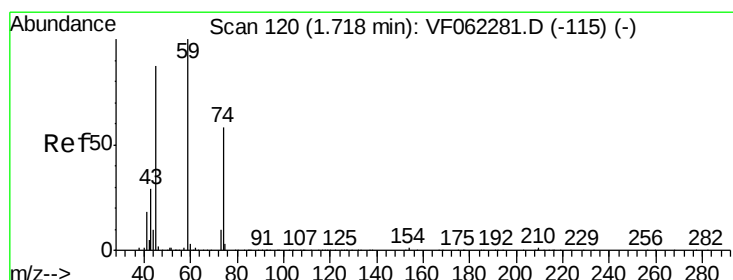
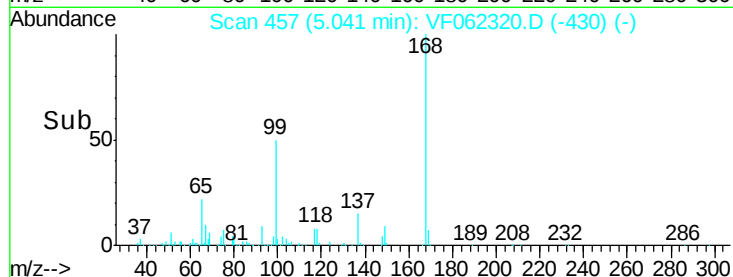
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.715 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.02 min

Lab File: VF062320.D

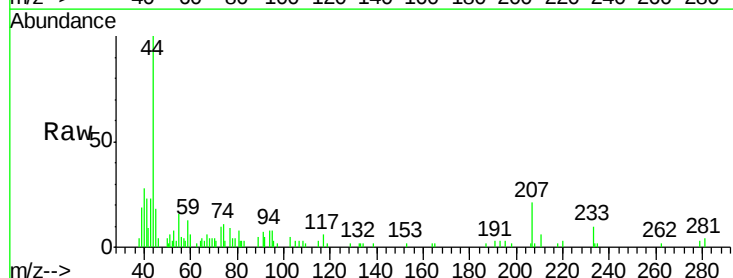
Acq: 29 Apr 2019 18:43

Tgt Ion: 74 Resp: 1175

Ion Ratio Lower Upper

74 100

45 93.8 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1200

1000

800

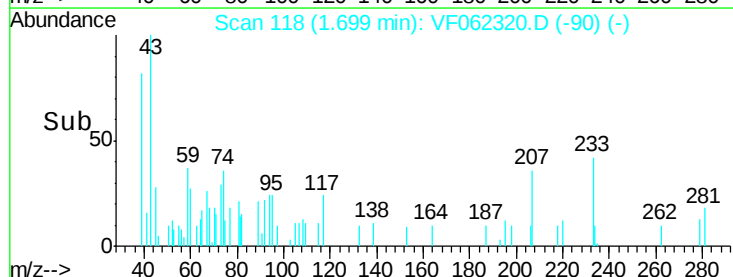
600

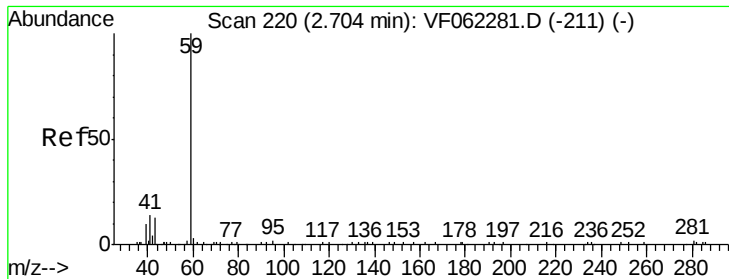
400

200

0

Time-->



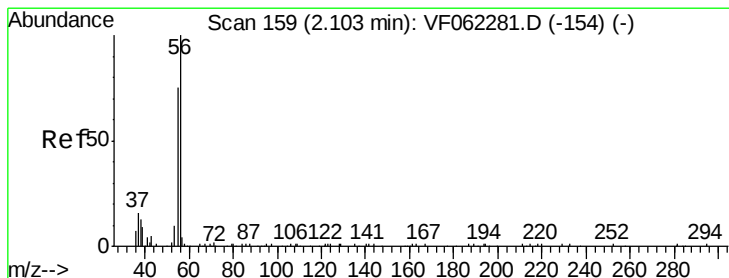
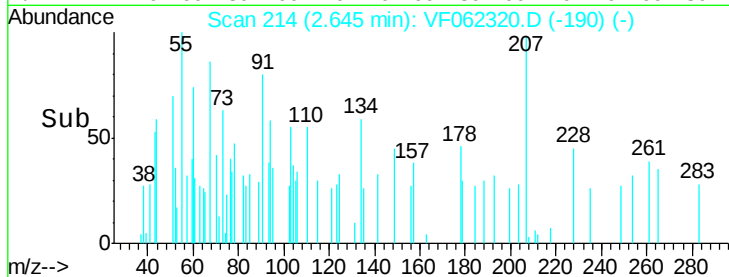
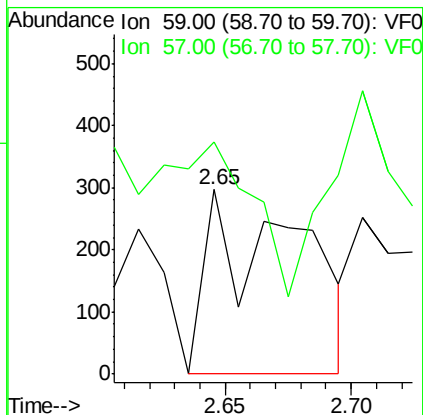
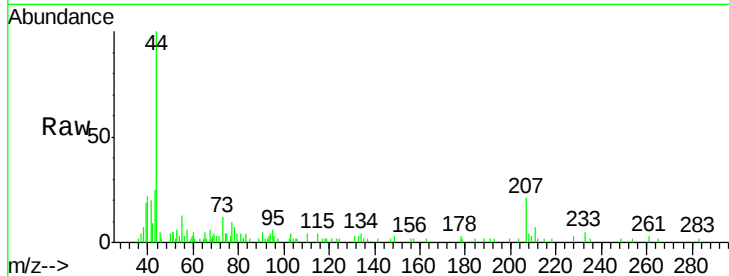


#11

Tert butyl alcohol
Concen: 6.057 ug/l
RT: 2.65 min Scan# 214
Delta R.T. -0.06 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Instrument :
MSVOA_F
ClientSampleId :

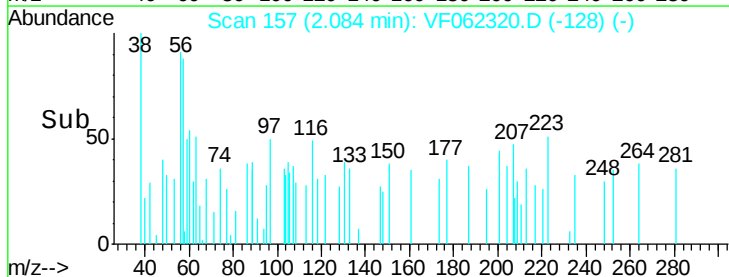
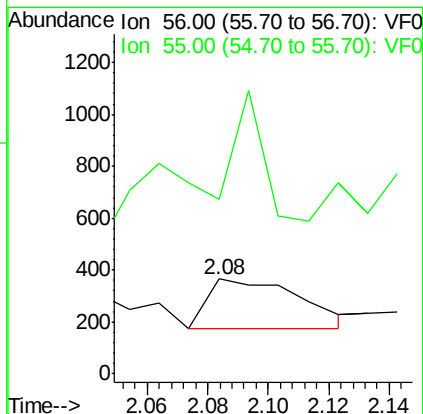
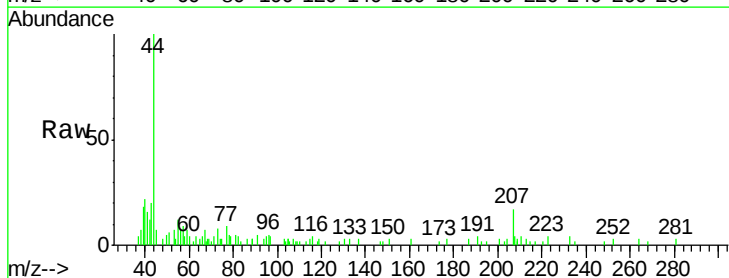
Tot Ion: 59 Resp: 745
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

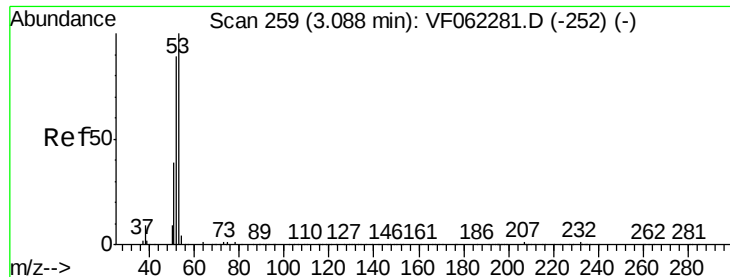


#13

Acrolein
Concen: 11.630 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Tgt Ion: 56 Resp: 403
Ion Ratio Lower Upper
56 100
55 322.8 62.3 93.5#





#15

Acrylonitrile

Concen: 2.645 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampled :

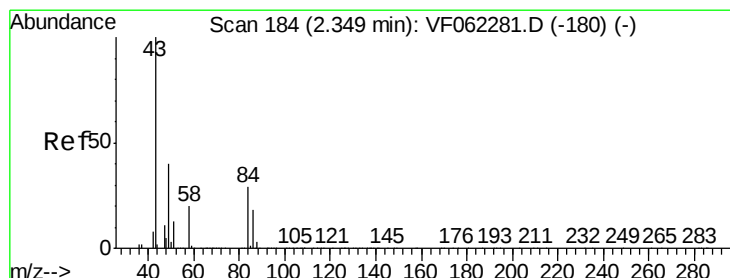
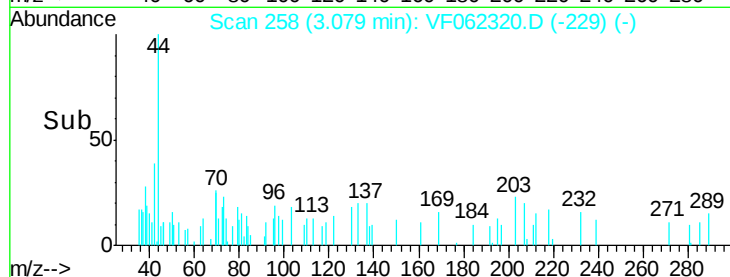
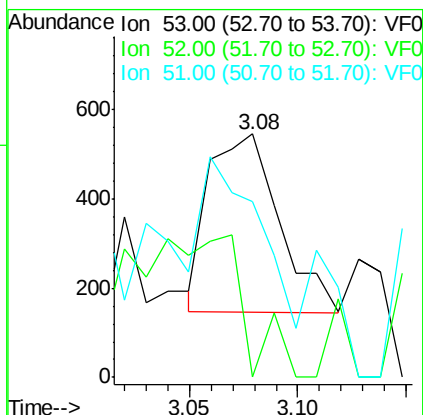
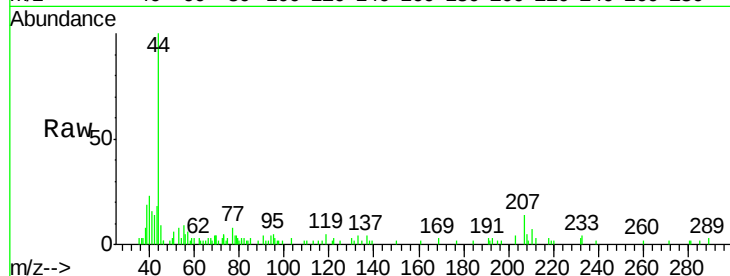
Tot Ion: 53 Resp: 901

Ion Ratio Lower Upper

53 100

52 122.3 70.6 105.8#

51 82.6 32.6 48.8#



#16

Acetone

Concen: 19.951 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062320.D

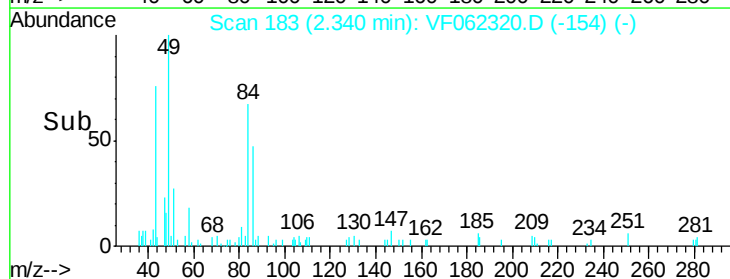
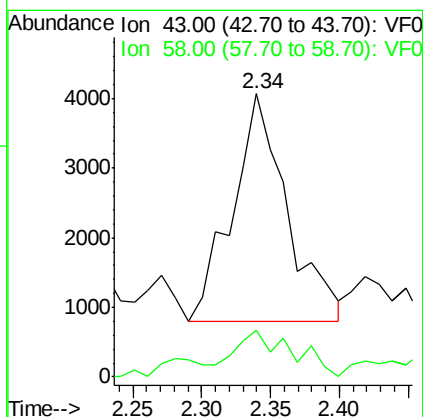
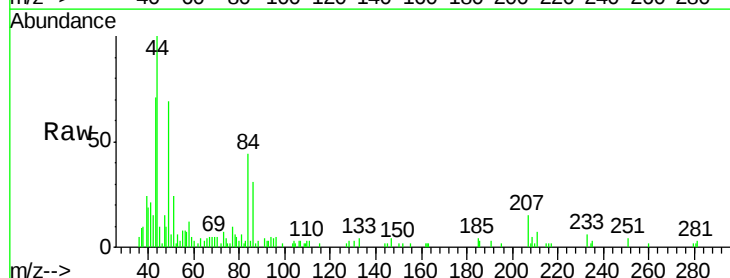
Acq: 29 Apr 2019 18:43

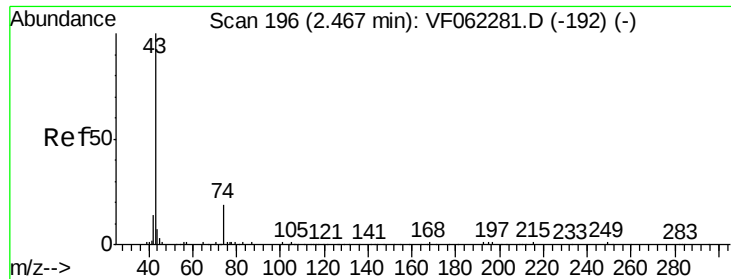
Tgt Ion: 43 Resp: 9082

Ion Ratio Lower Upper

43 100

58 20.7 16.4 24.6

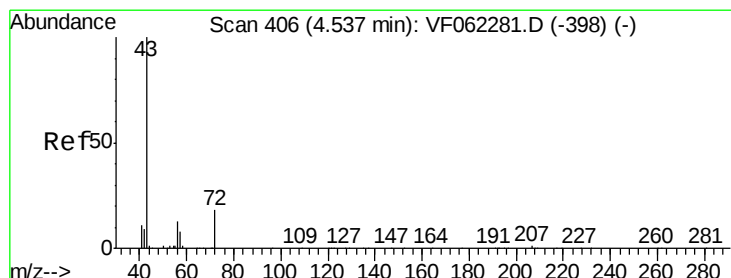
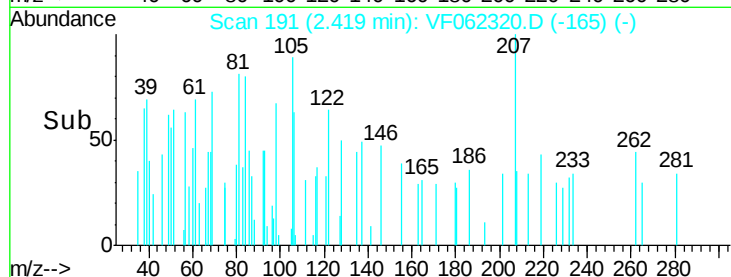
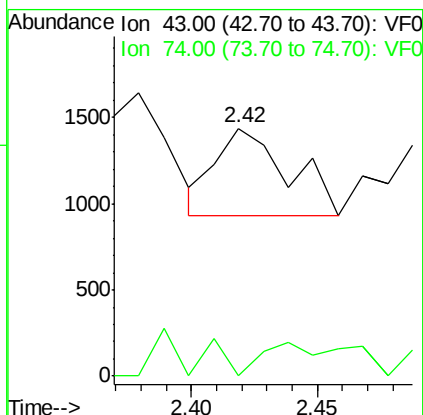
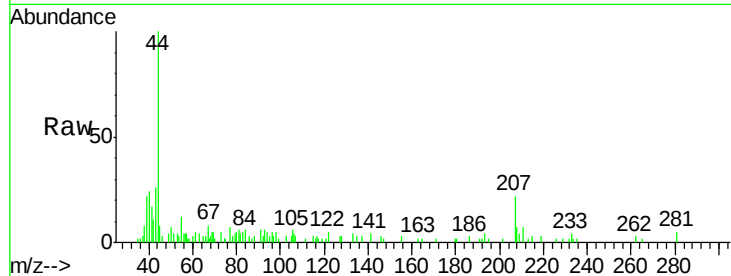




#18
Methvl Acetate
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. -0.05 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

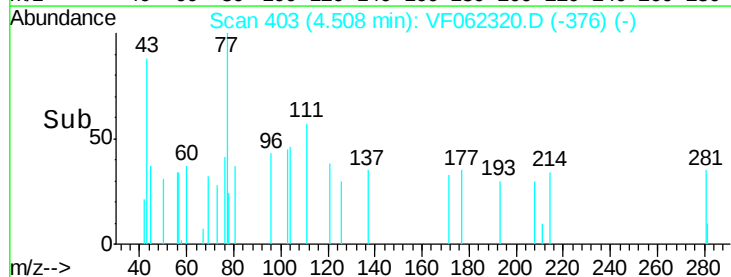
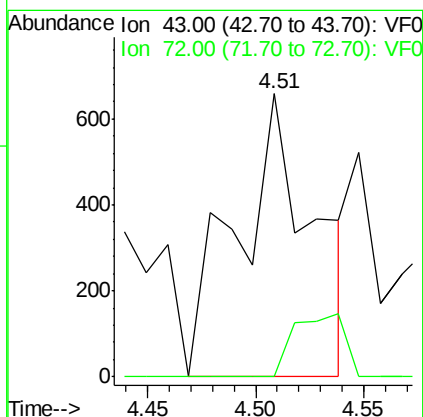
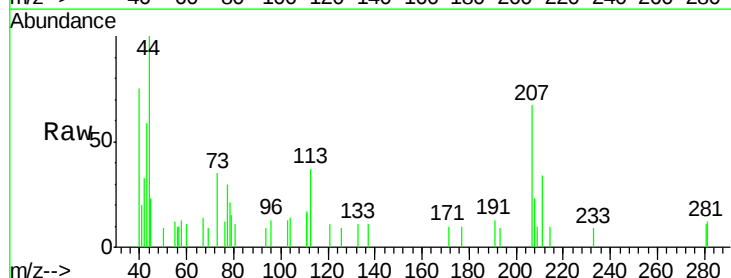
Instrument :
MSVOA_F
ClientSampled :

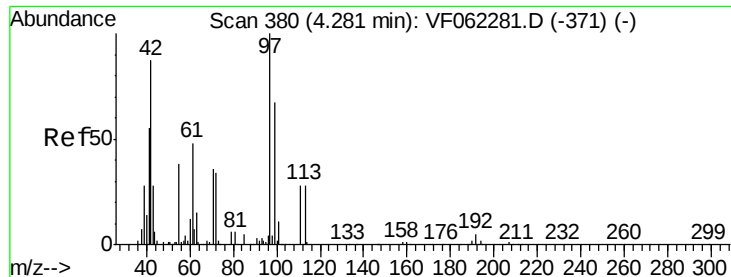
Tot Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
74 46.8 14.4 21.6#



#25
2-Butanone
Concen: 2.221 ug/l
RT: 4.51 min Scan# 403
Delta R.T. -0.03 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Tgt Ion: 43 Resp: 1603
Ion Ratio Lower Upper
43 100
72 0.0 15.8 23.6#





#29

Tetrahydrofuran

Concen: 5.023 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.05 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampleId :

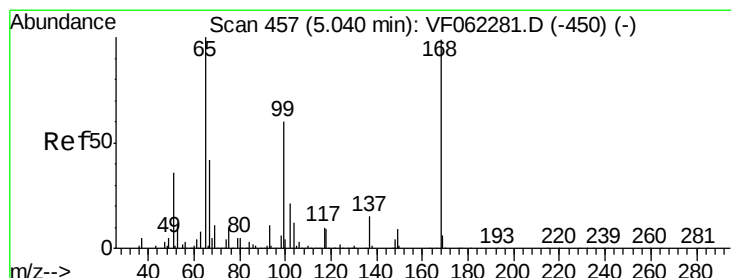
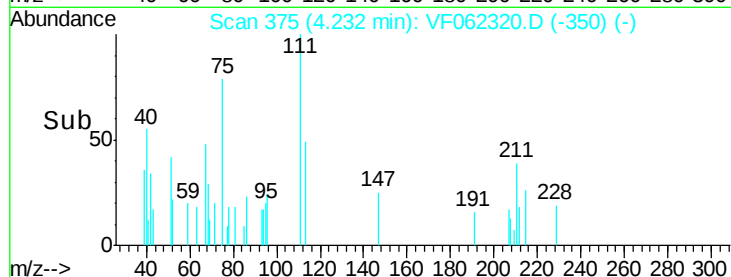
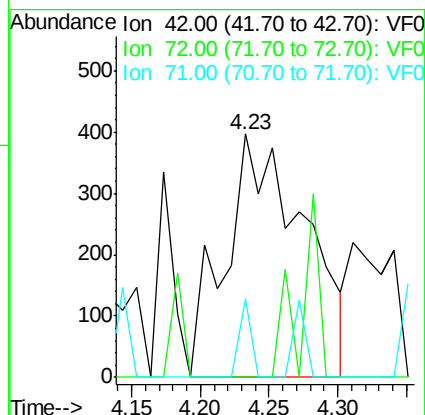
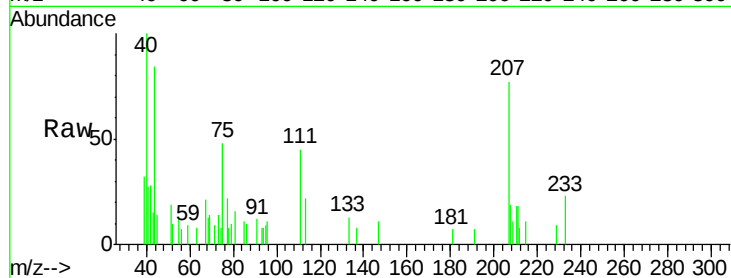
Tot Ion: 42 Resp: 1593

Ion Ratio Lower Upper

42 100

72 0.0 29.3 43.9#

71 4.7 31.2 46.8#



#33

1,2-Dichloroethane-d4

Concen: 64.673 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.03 min

Lab File: VF062320.D

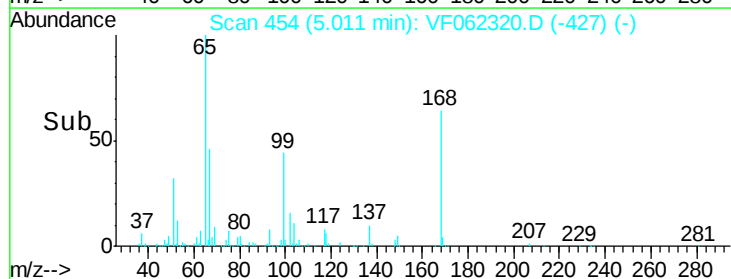
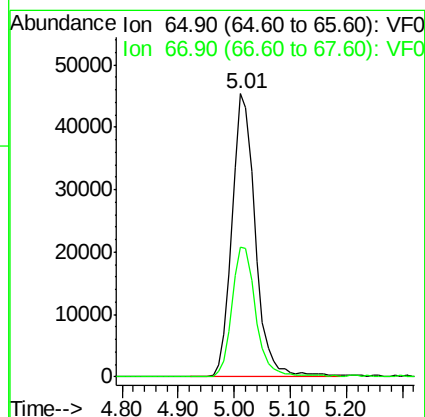
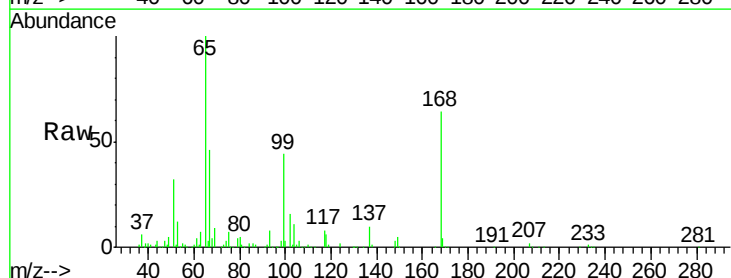
Acq: 29 Apr 2019 18:43

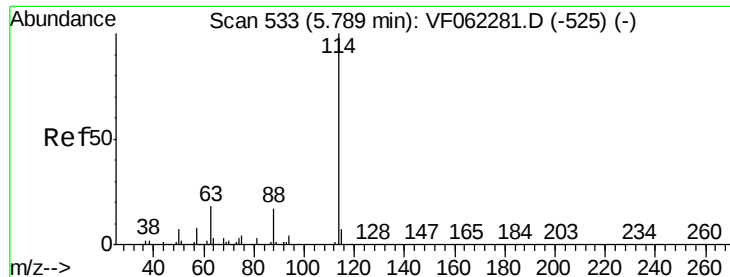
Tgt Ion: 65 Resp: 131490

Ion Ratio Lower Upper

65 100

67 46.6 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: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampleId :

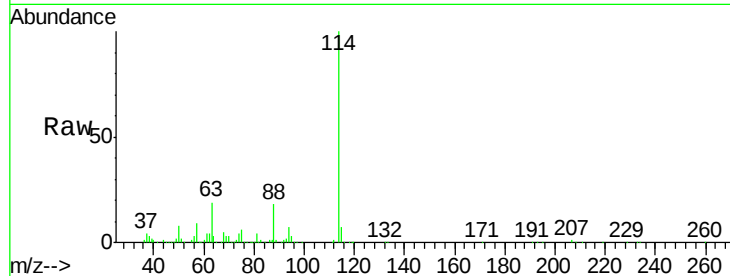
Tot Ion:114 Resp: 360814

Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

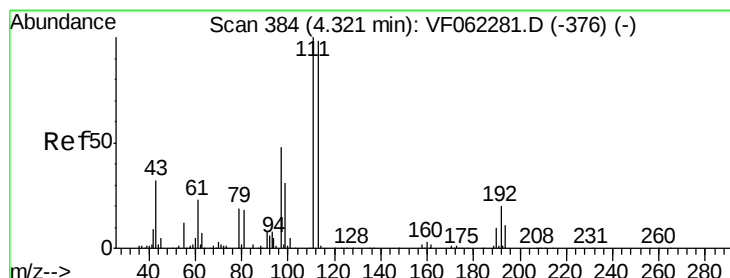
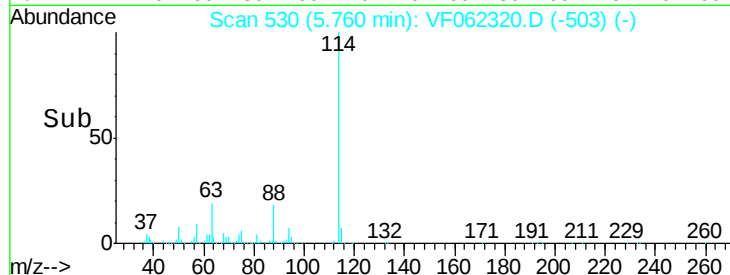
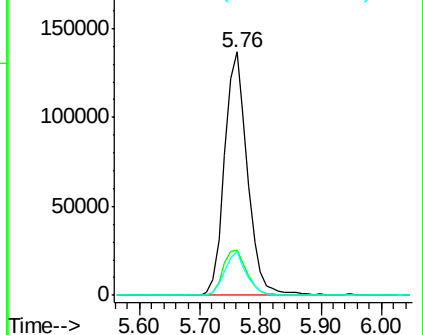
88 17.9 0.0 34.6



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: 60.571 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

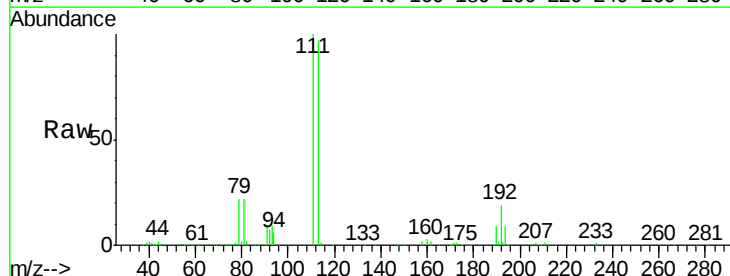
Tgt Ion:113 Resp: 162043

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.2

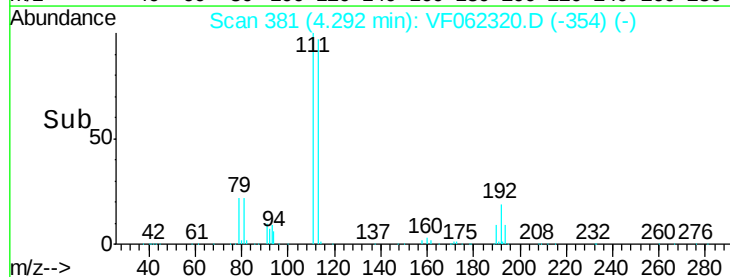
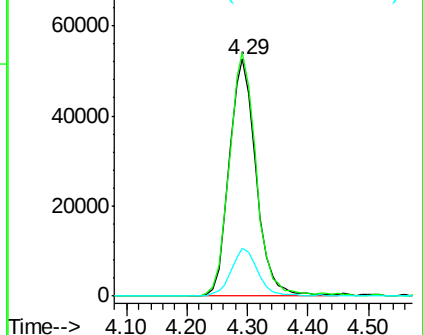
192 20.2 17.0 25.4

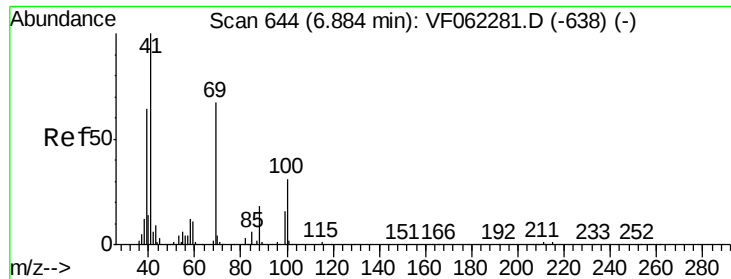


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

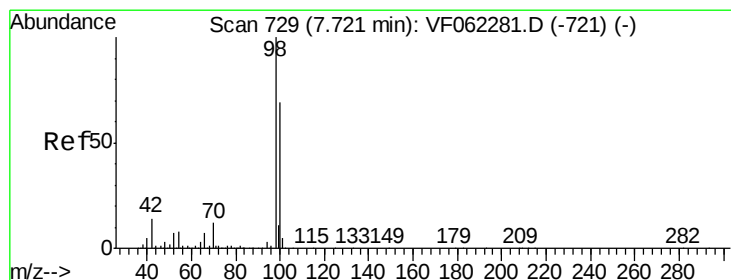
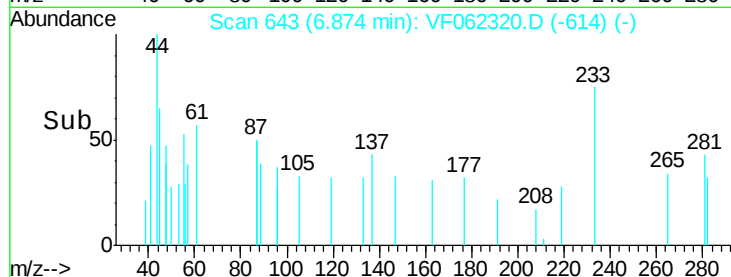
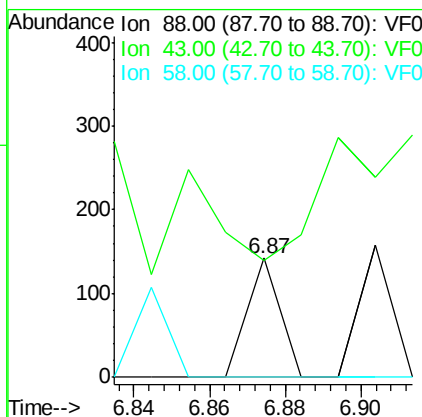
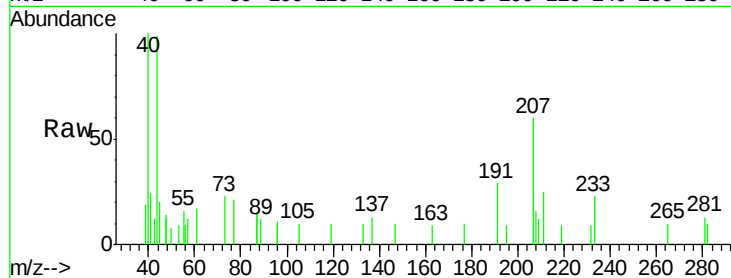




#49
1,4-Dioxane
Concen: 7.110 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.01 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

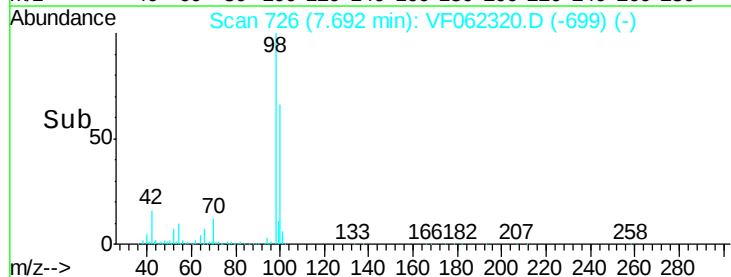
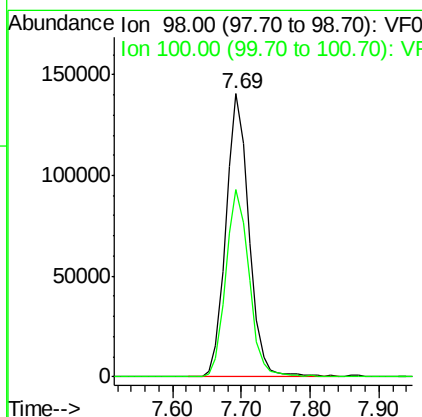
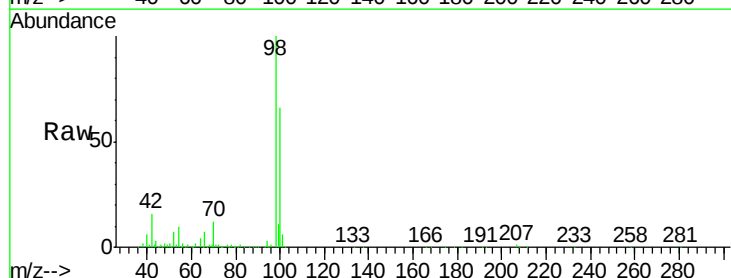
Instrument :
MSVOA_F
ClientSampleId :

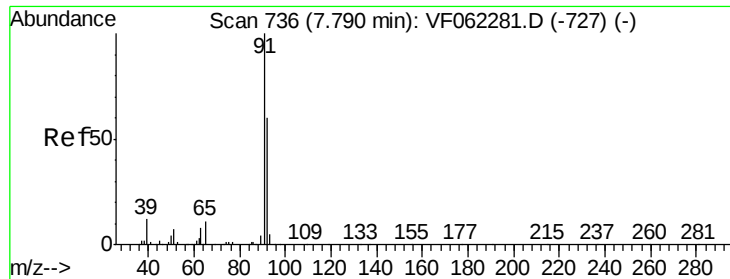
Tot Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
43 0.0 34.2 51.4#
58 0.0 50.7 76.1#



#50
Toluene-d8
Concen: 49.775 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.03 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Tgt Ion: 98 Resp: 325263
Ion Ratio Lower Upper
98 100
100 67.4 54.4 81.6





#52

Toluene

Concen: 5.451 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

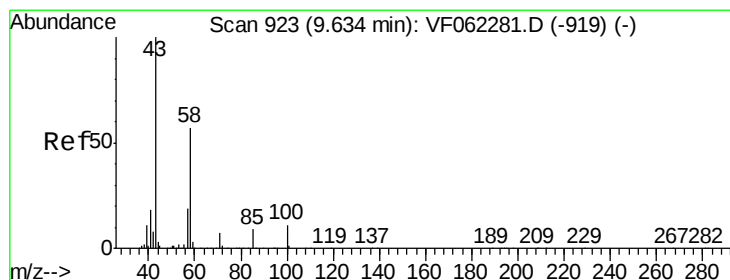
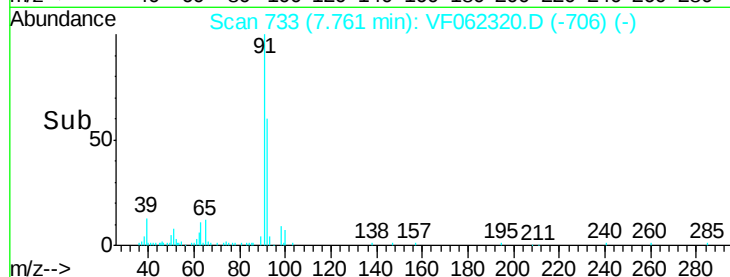
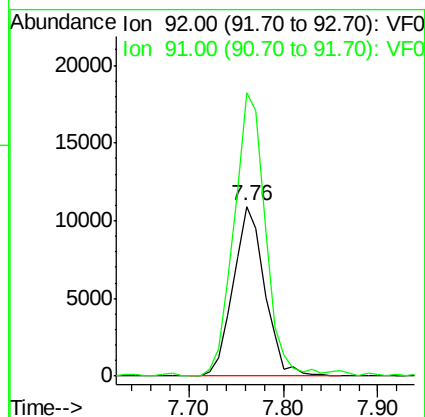
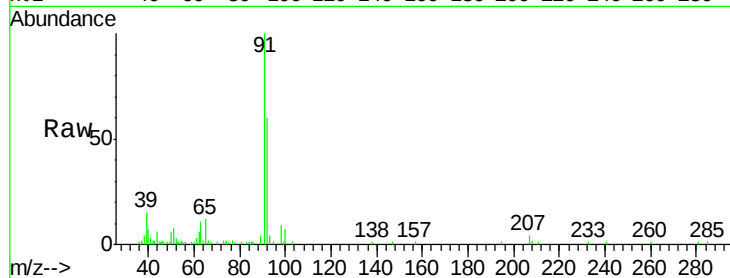
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 92 Resp: 25299

Ion Ratio Lower Upper

92 100

91 166.0 132.5 198.7



#59

2-Hexanone

Concen: Below Cal

RT: 9.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: VF062320.D

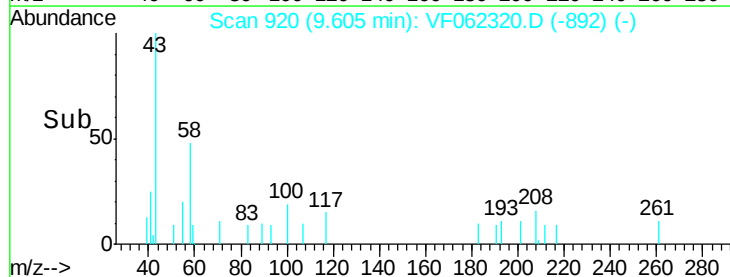
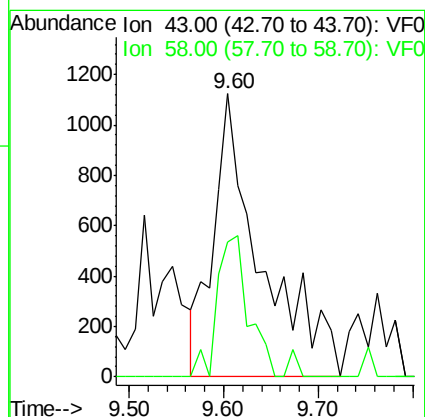
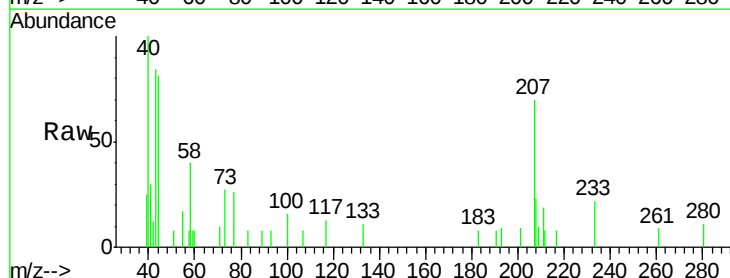
Acq: 29 Apr 2019 18:43

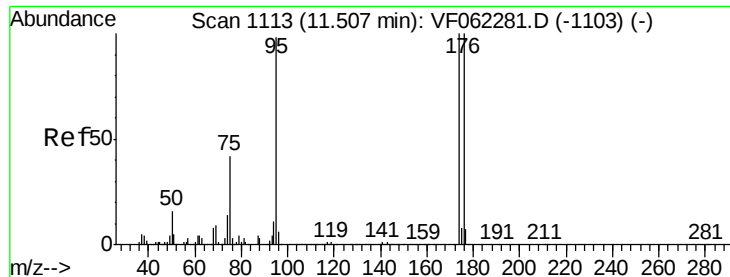
Tgt Ion: 43 Resp: 3947

Ion Ratio Lower Upper

43 100

58 32.2 24.9 74.7





#62

4-Bromofluorobenzene

Concen: 58.459 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

Instrument :

MSVOA_F

ClientSampleId :

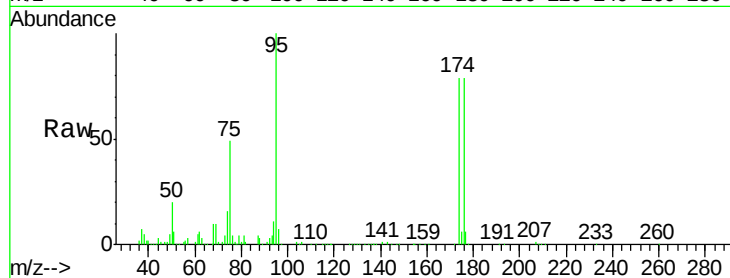
Tot Ion: 95 Resp: 157458

Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

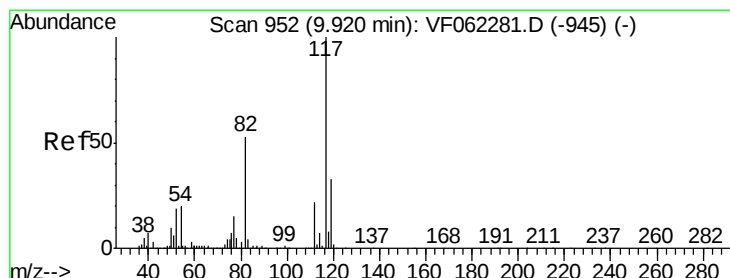
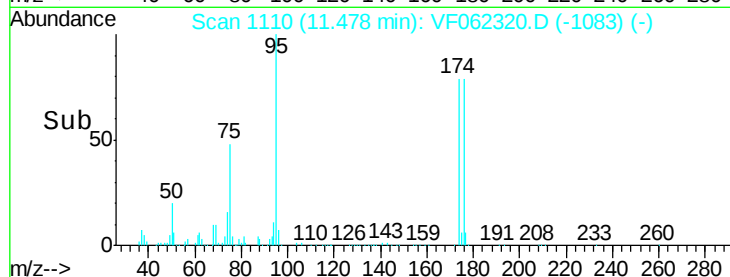
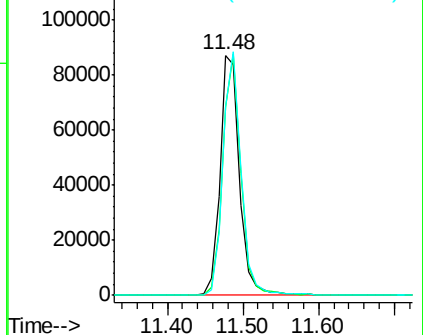
176 93.9 0.0 184.8



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: 9.89 min Scan# 949

Delta R.T. -0.03 min

Lab File: VF062320.D

Acq: 29 Apr 2019 18:43

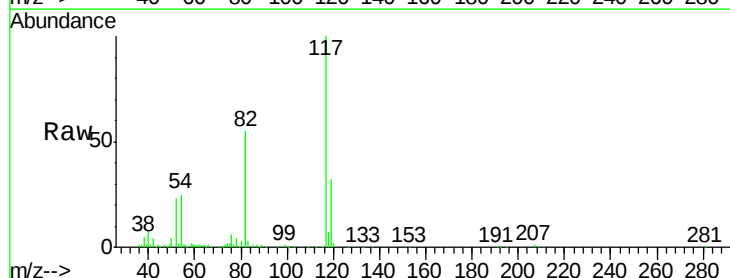
Tgt Ion: 117 Resp: 284843

Ion Ratio Lower Upper

117 100

82 55.0 42.6 64.0

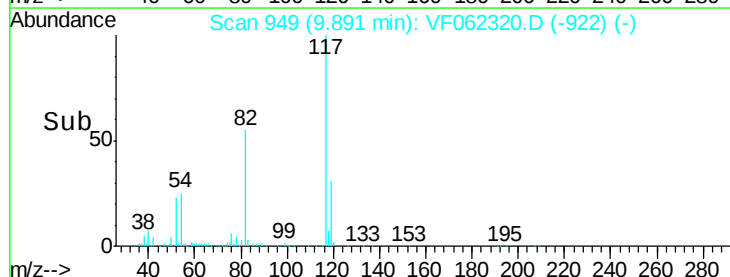
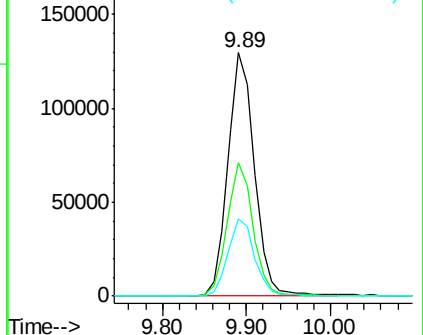
119 31.5 26.1 39.1

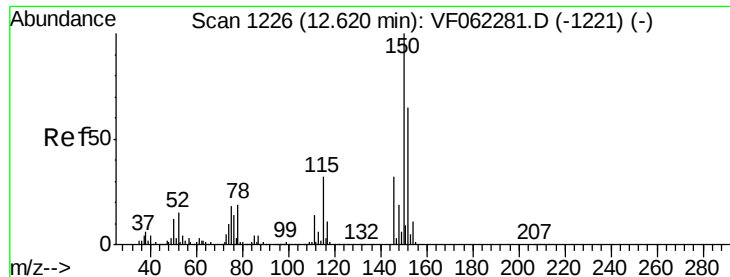


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



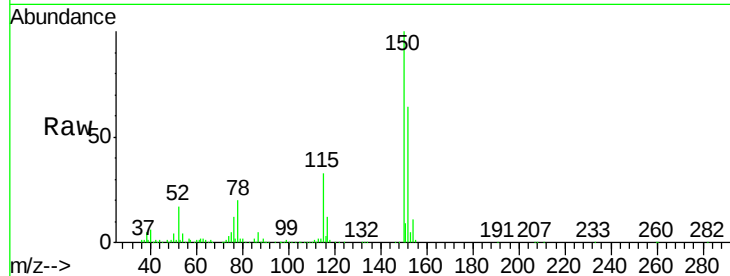


#72

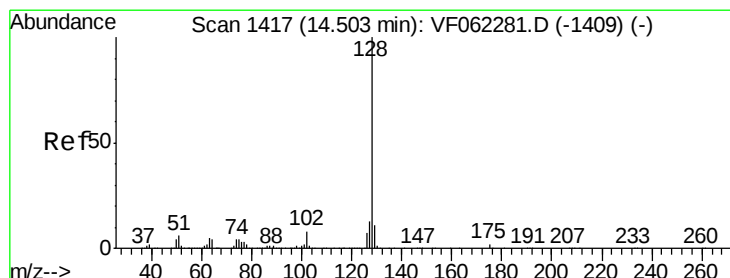
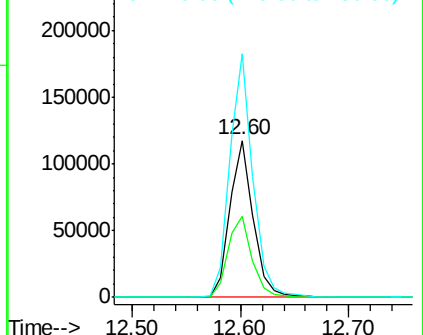
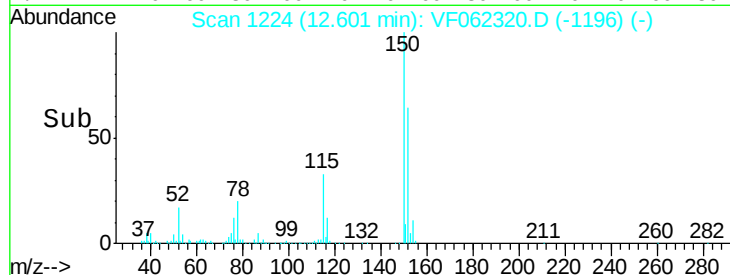
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	25.6	76.8
150	153.7	0.0	330.6



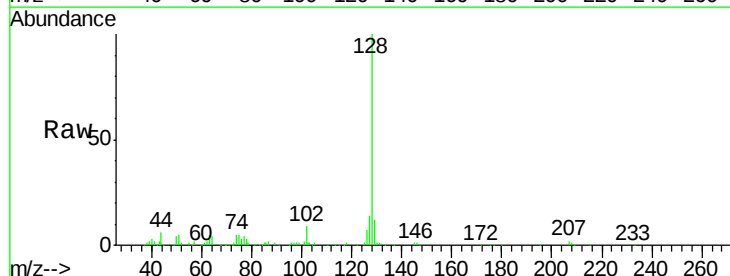
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene
Concen: 8.468 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062320.D
Acq: 29 Apr 2019 18:43

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.4
129	11.5	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

