

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062153.D
 Acq On : 26 Mar 2019 18:38
 Operator : VA/AP
 Sample : K2081-22
 Misc : 5.56g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:18:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

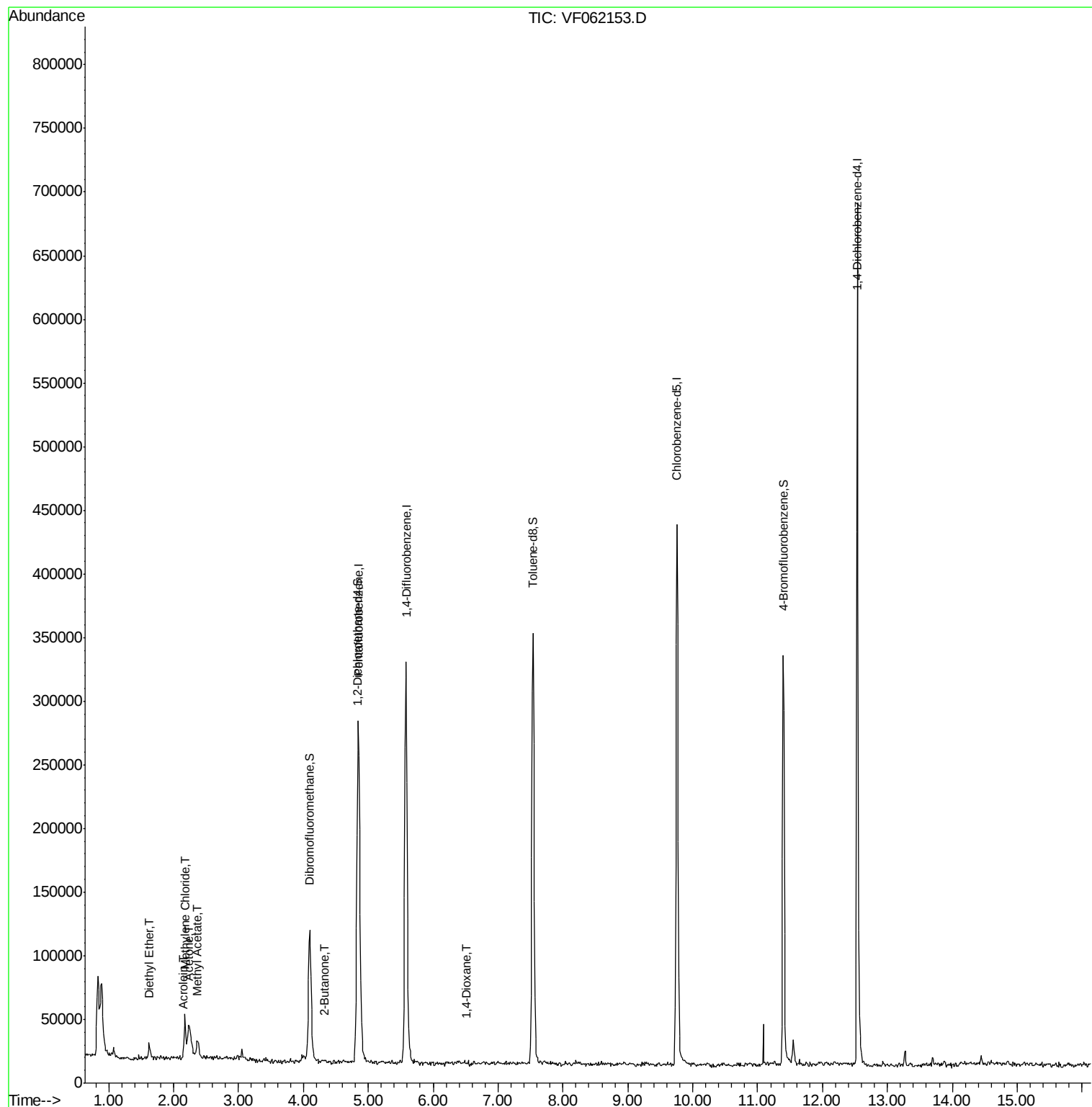
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	265534	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	422573	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	343895	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	188578	50.00	ug/l	-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	71547	36.23	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	72.46%	
35) Dibromofluoromethane	4.10	113	109452	38.29	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	76.58%	
50) Toluene-d8	7.54	98	302682	35.47	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	70.94%	
62) 4-Bromofluorobenzene	11.39	95	126210	38.31	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	76.62%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.62	74	4229	4.656	ug/l	95
13) Acrolein	2.14	56	182	1.393	ug/l	93
16) Acetone	2.23	43	10487	25.228	ug/l #	89
18) Methyl Acetate	2.36	43	6308	6.362	ug/l #	56
20) Methylene Chloride	2.17	84	14107	2.599	ug/l	88
25) 2-Butanone	4.33	43	895	1.031	ug/l #	55
49) 1,4-Dioxane	6.51	88	75	7.047	ug/l #	25

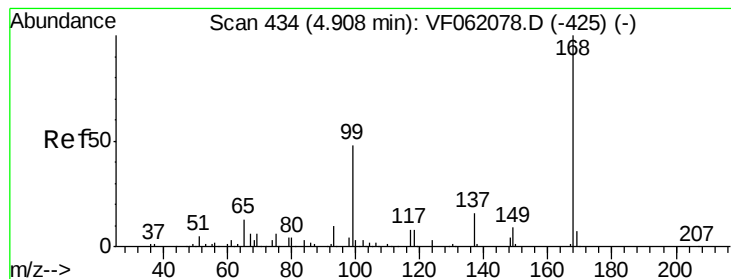
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

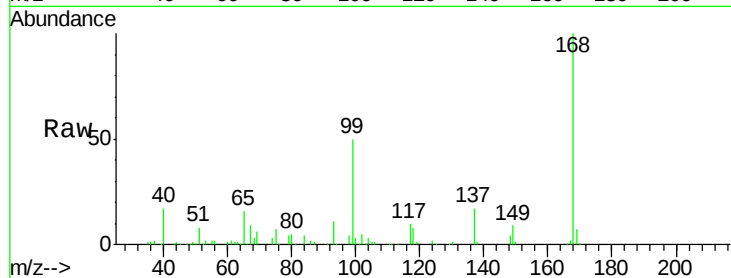
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 265534

Ion Ratio Lower Upper

168 100

99 50.4 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

80000

60000

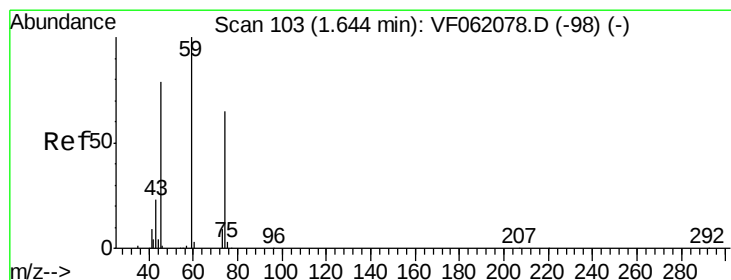
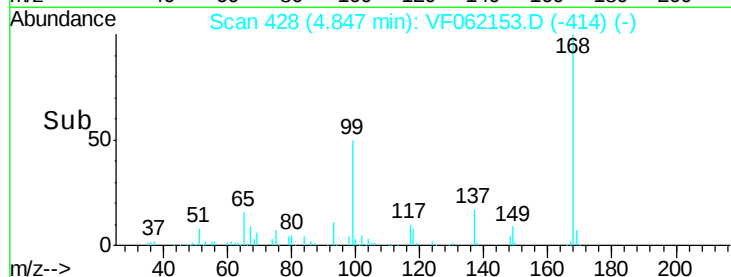
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#8

Diethyl Ether

Concen: 4.656 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF062153.D

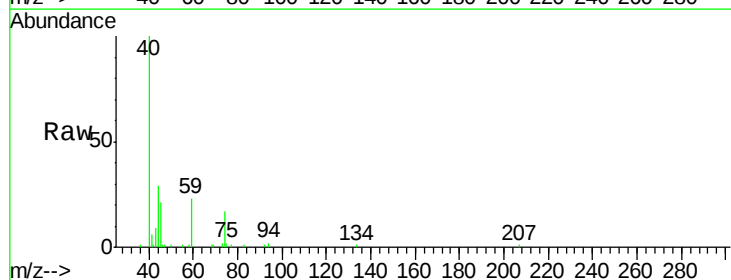
Acq: 26 Mar 2019 18:38

Tgt Ion: 74 Resp: 4229

Ion Ratio Lower Upper

74 100

45 128.3 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

3000

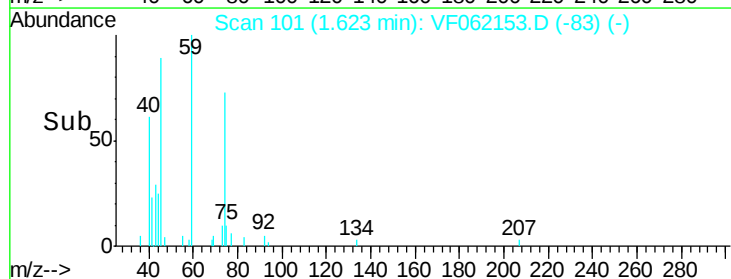
2000

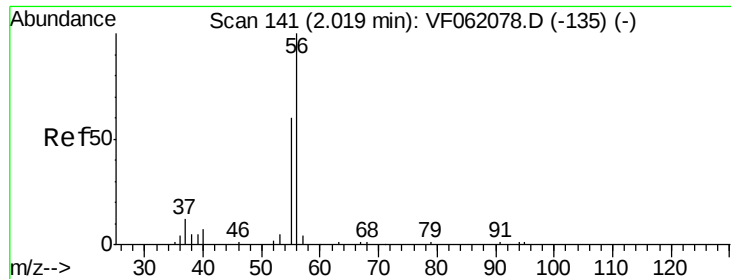
1000

0

1.55 1.60 1.65 1.70

Time-->

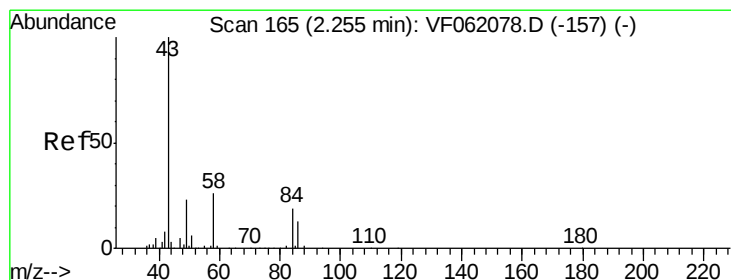
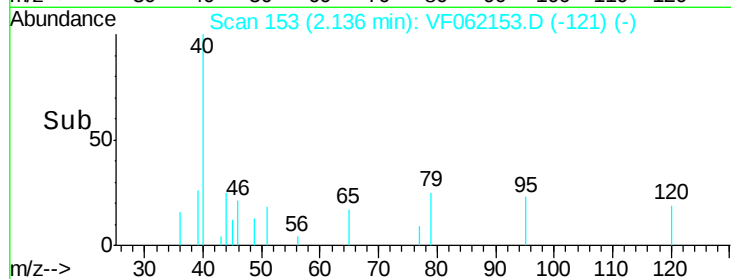
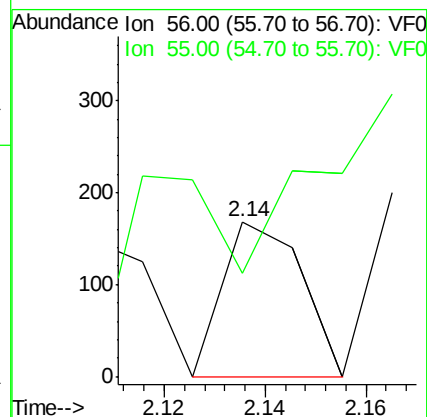
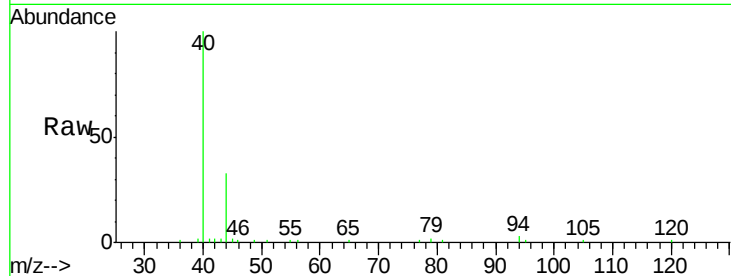




#13
Acrolein
Concen: 1.393 ug/l
RT: 2.14 min Scan# 153
Delta R.T. 0.12 min
Lab File: VF062153.D
Acq: 26 Mar 2019 18:38

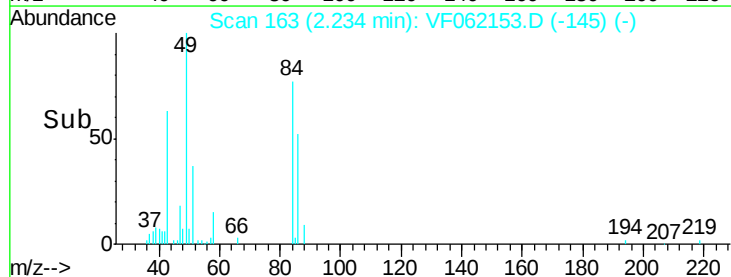
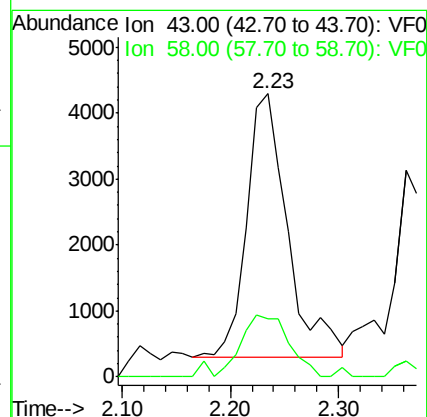
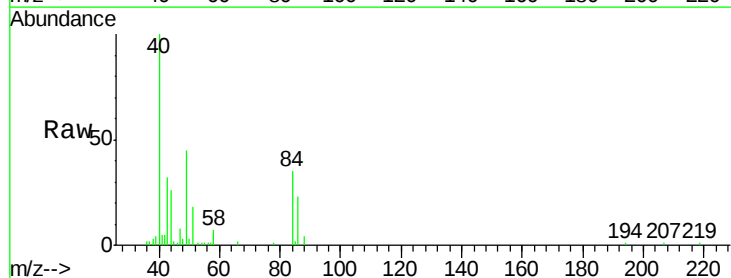
Instrument :
MSVOA_F
ClientSampleId :

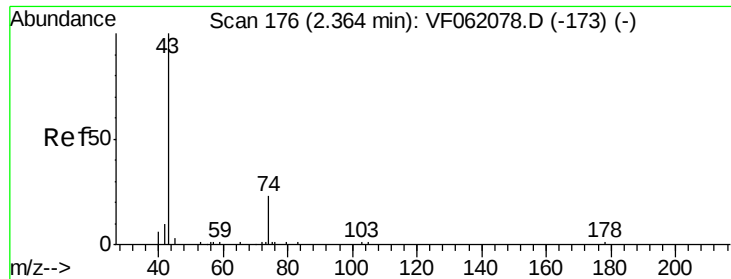
Tot Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 66.7 49.0 73.4



#16
Acetone
Concen: 25.228 ug/l
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF062153.D
Acq: 26 Mar 2019 18:38

Tgt Ion: 43 Resp: 10487
Ion Ratio Lower Upper
43 100
58 20.6 20.8 31.2#





#18

Methyl Acetate

Concen: 6.362 ug/l

RT: 2.36 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

Instrument :

MSVOA_F

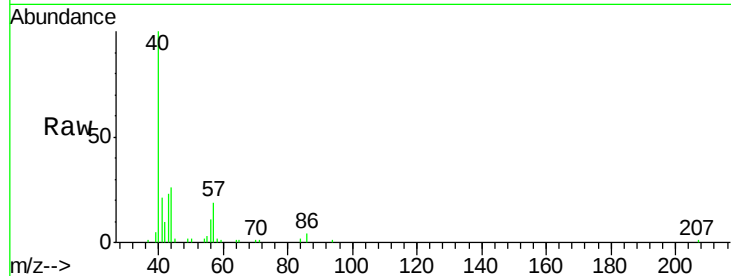
ClientSampleId :

Tot Ion: 43 Resp: 6308

Ion Ratio Lower Upper

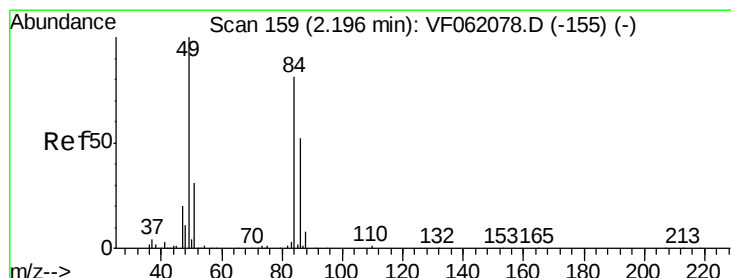
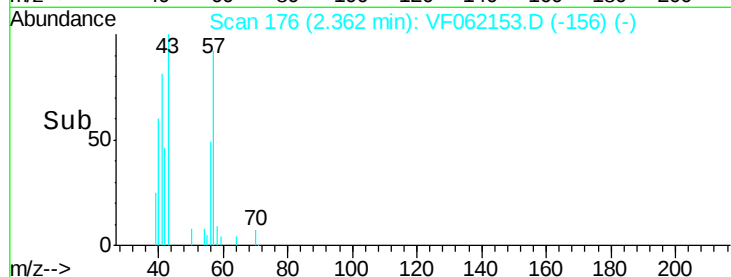
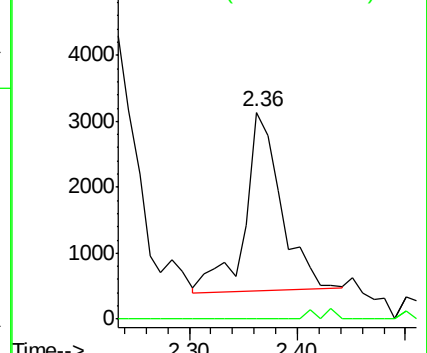
43 100

74 0.0 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



#20

Methylene Chloride

Concen: 2.599 ug/l

RT: 2.17 min Scan# 157

Delta R.T. -0.02 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

Tgt Ion: 84 Resp: 14107

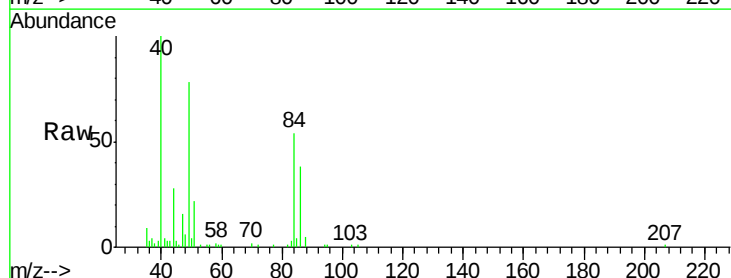
Ion Ratio Lower Upper

84 100

49 144.5 100.4 150.6

51 41.1 31.0 46.6

86 69.2 51.3 76.9

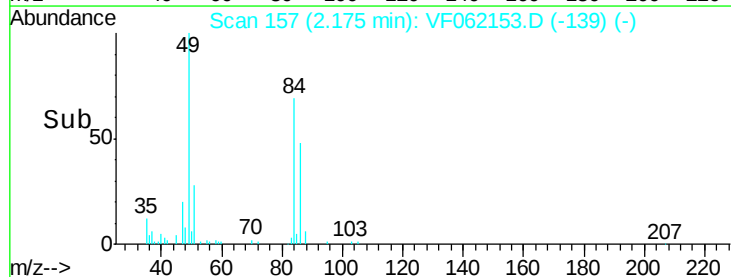
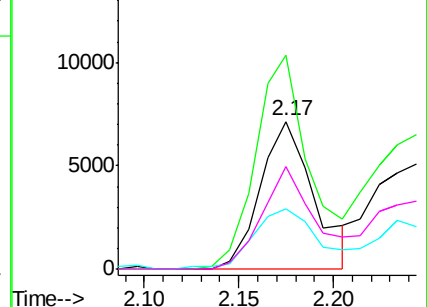


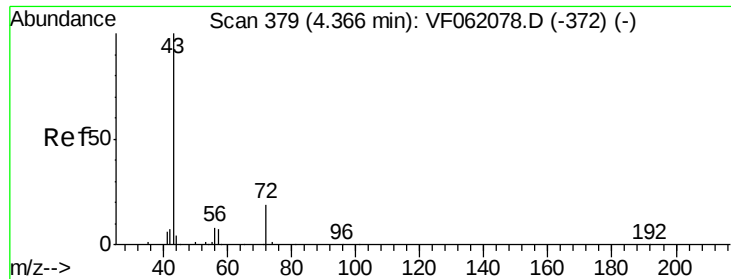
Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#25

2-Butanone

Concen: 1.031 ug/l

RT: 4.33 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

Instrument :

MSVOA_F

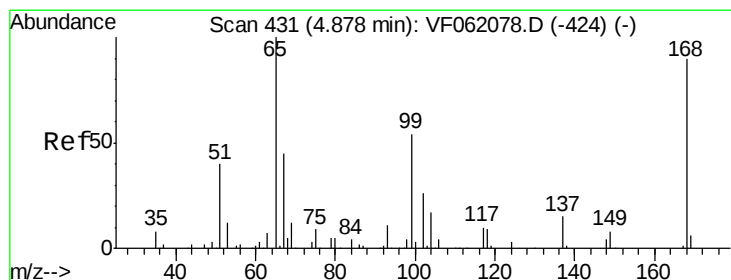
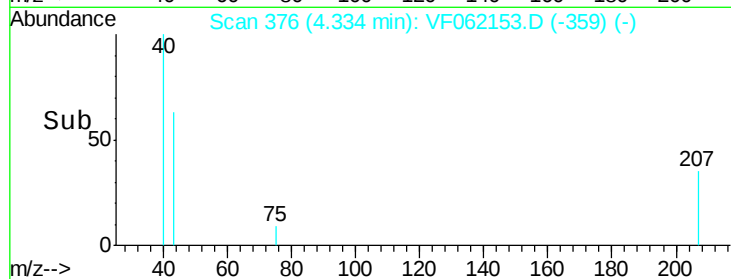
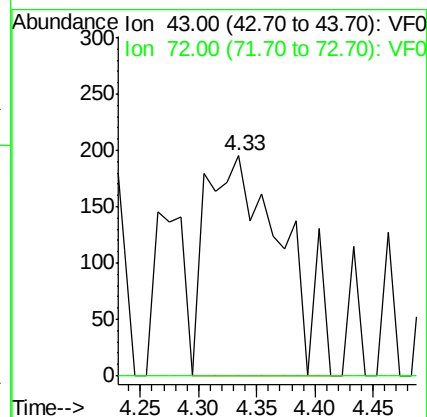
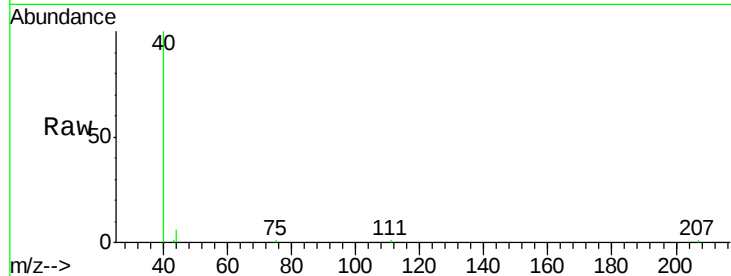
ClientSampleId :

Tot Ion: 43 Resp: 895

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



#33

1,2-Dichloroethane-d4

Concen: 36.225 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF062153.D

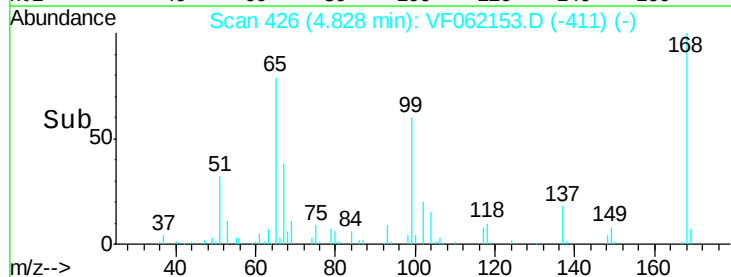
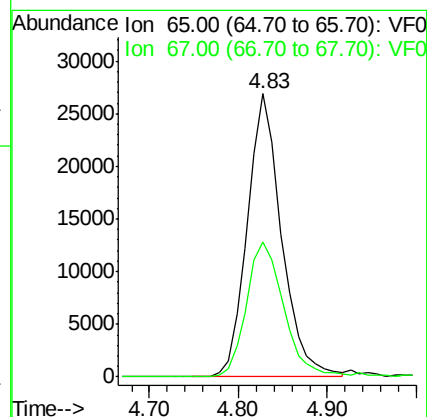
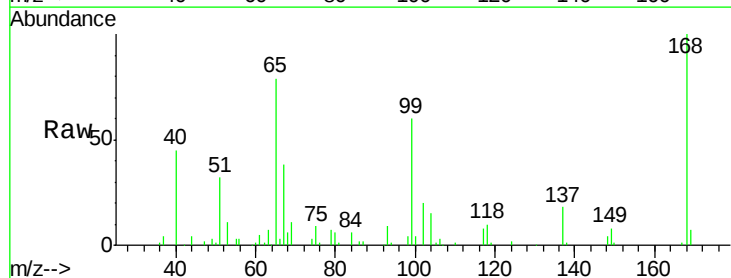
Acq: 26 Mar 2019 18:38

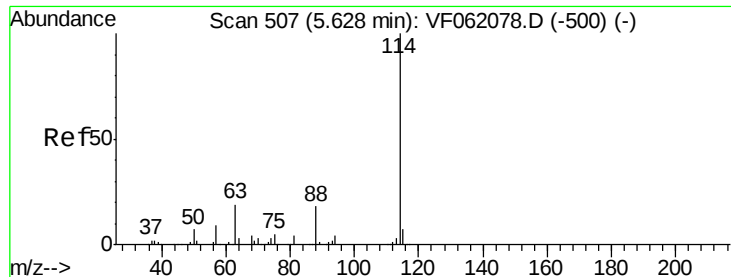
Tgt Ion: 65 Resp: 71547

Ion Ratio Lower Upper

65 100

67 47.6 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

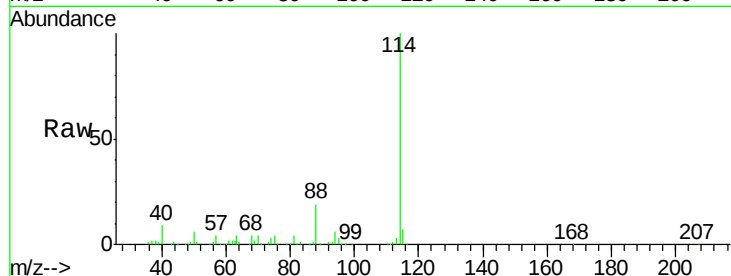
Tot Ion:114 Resp: 422573

Ion Ratio Lower Upper

114 100

63 6.4 0.0 37.8

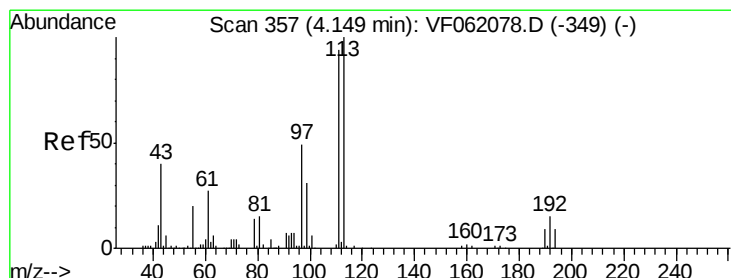
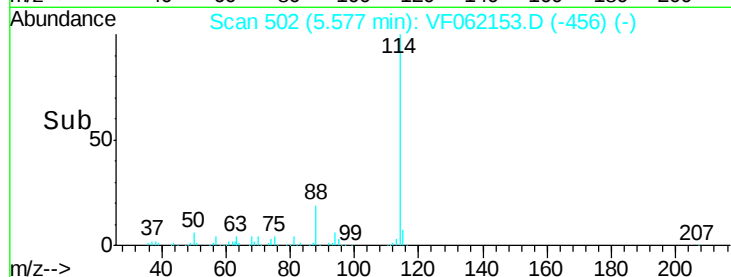
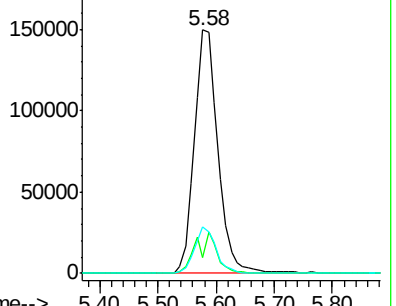
88 19.3 0.0 36.4



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: 38.290 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.05 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

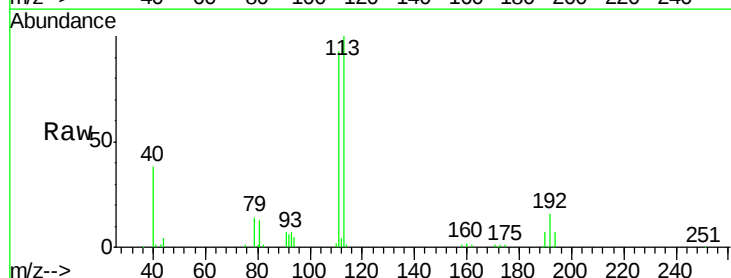
Tgt Ion:113 Resp: 109452

Ion Ratio Lower Upper

113 100

111 93.3 75.4 113.0

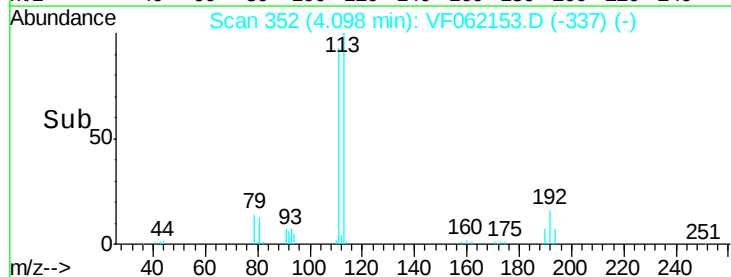
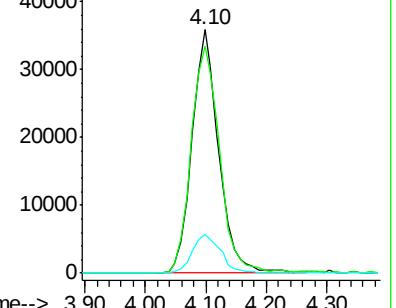
192 16.1 12.3 18.5

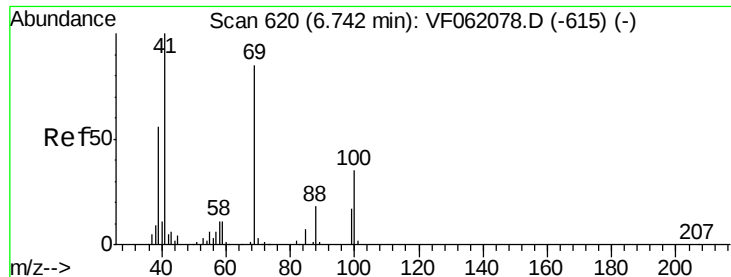


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 7.047 ug/l

RT: 6.51 min Scan# 597

Delta R.T. -0.23 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :

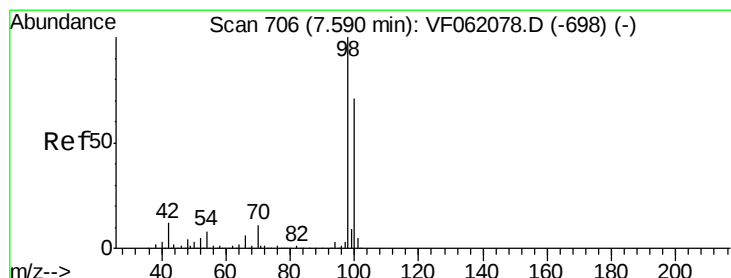
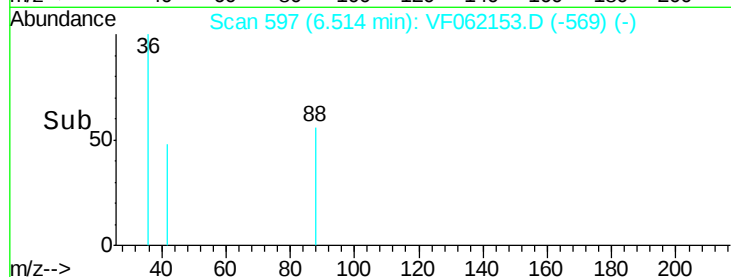
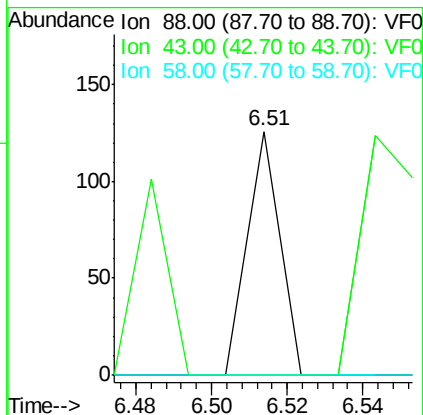
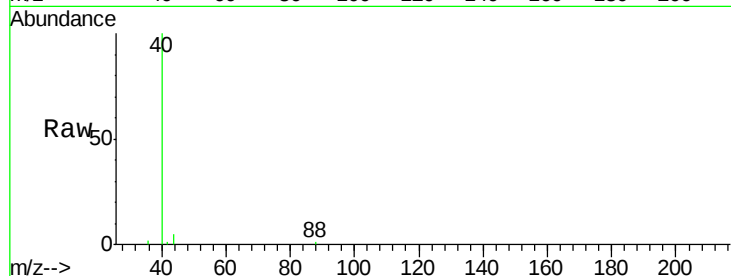
Tot Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 0.0 35.0 52.4#

58 0.0 49.9 74.9#



#50

Toluene-d8

Concen: 35.473 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.05 min

Lab File: VF062153.D

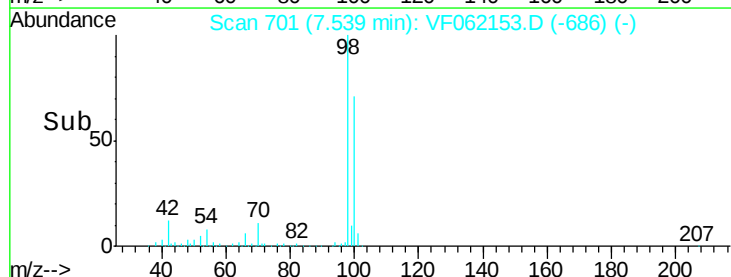
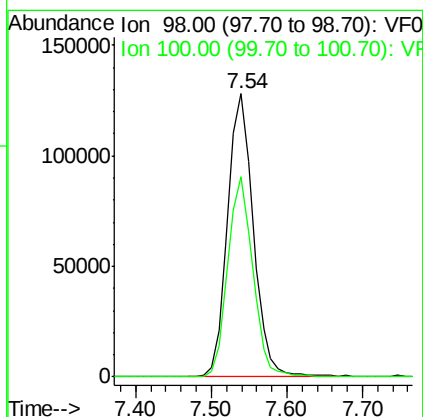
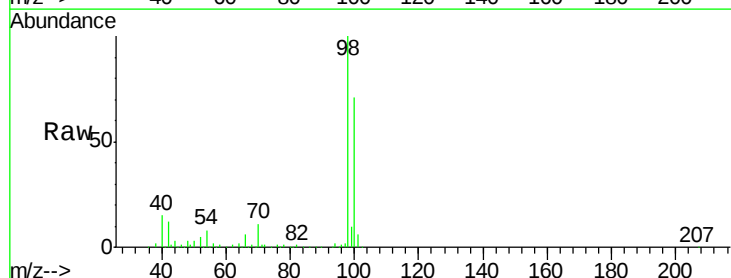
Acq: 26 Mar 2019 18:38

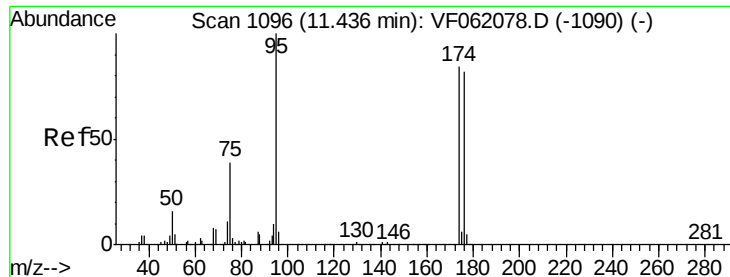
Tgt Ion: 98 Resp: 302682

Ion Ratio Lower Upper

98 100

100 70.7 57.0 85.6

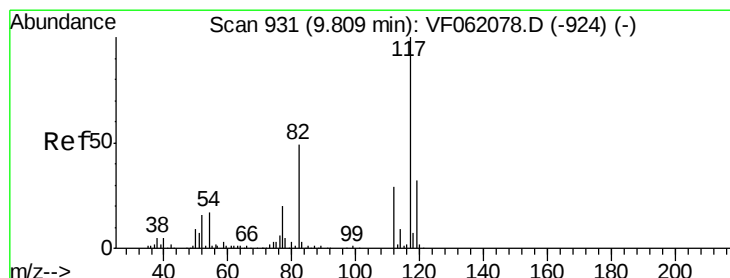
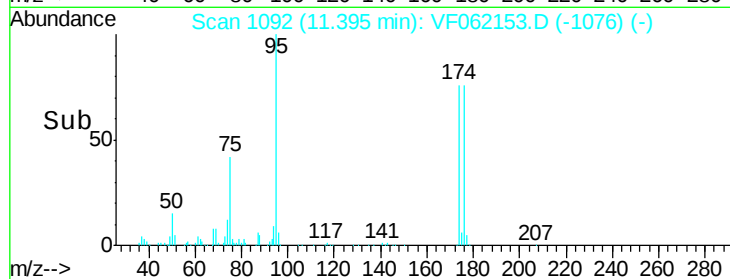
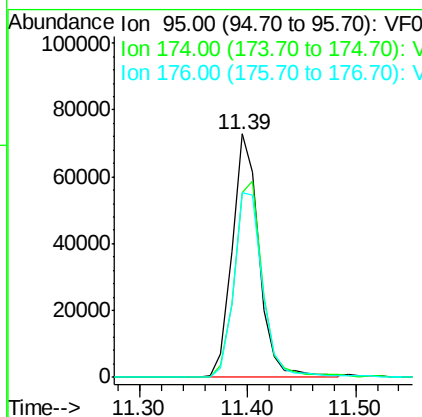
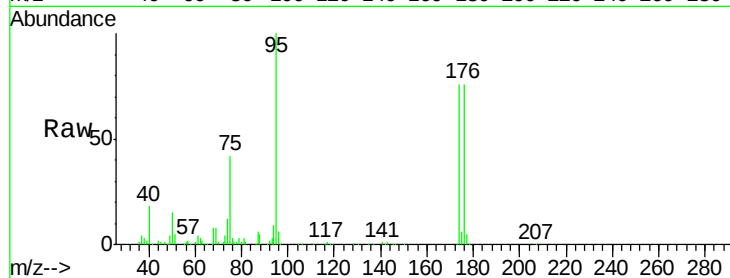




#62
4-Bromofluorobenzene
Concen: 38.314 ug/l
RT: 11.39 min Scan# 1092
Delta R.T. -0.04 min
Lab File: VF062153.D
Acq: 26 Mar 2019 18:38

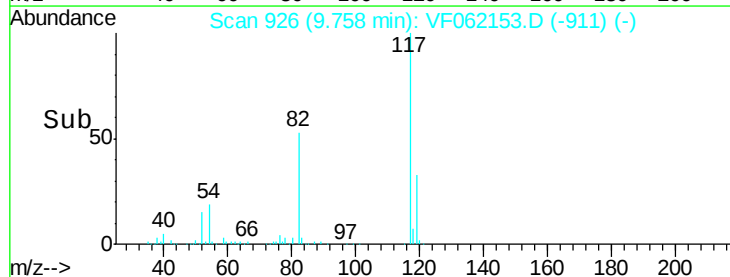
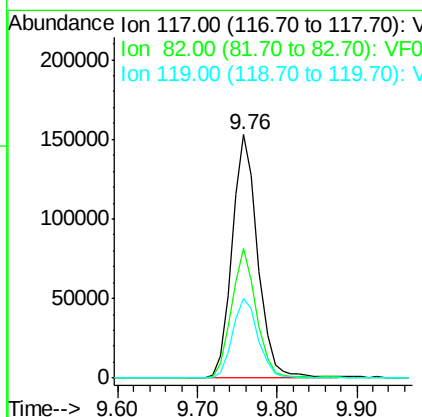
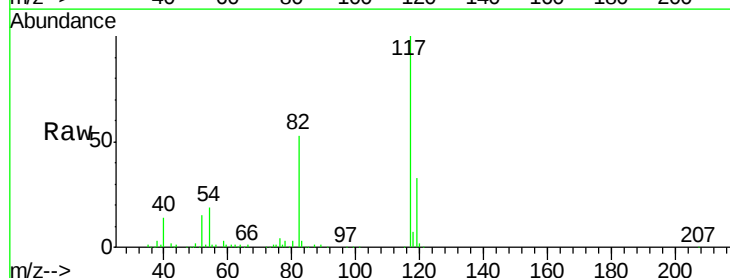
Instrument :
MSVOA_F
ClientSampleId :

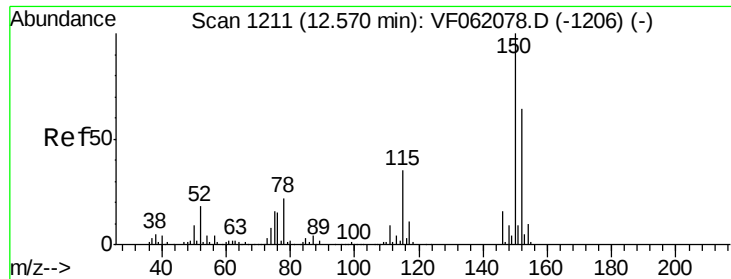
Tot Ion: 95 Resp: 126210
Ion Ratio Lower Upper
95 100
174 76.1 0.0 168.2
176 76.1 0.0 164.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF062153.D
Acq: 26 Mar 2019 18:38

Tgt Ion: 117 Resp: 343895
Ion Ratio Lower Upper
117 100
82 53.3 39.2 58.8
119 32.8 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062153.D

Acq: 26 Mar 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

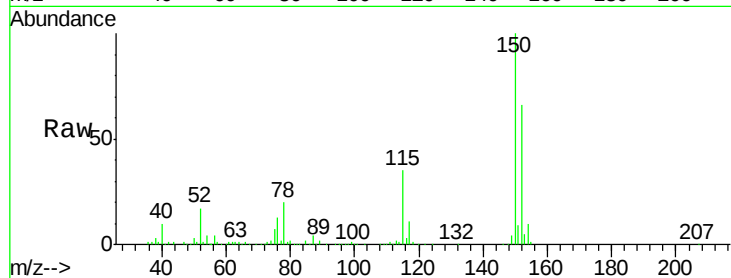
Tot Ion:152 Resp: 188578

Ion Ratio Lower Upper

152 100

115 53.0 27.7 83.1

150 150.4 0.0 313.2



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

