

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062149.D
 Acq On : 26 Mar 2019 16:46
 Operator : VA/AP
 Sample : K2086-06
 Misc : 9.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:17:14 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

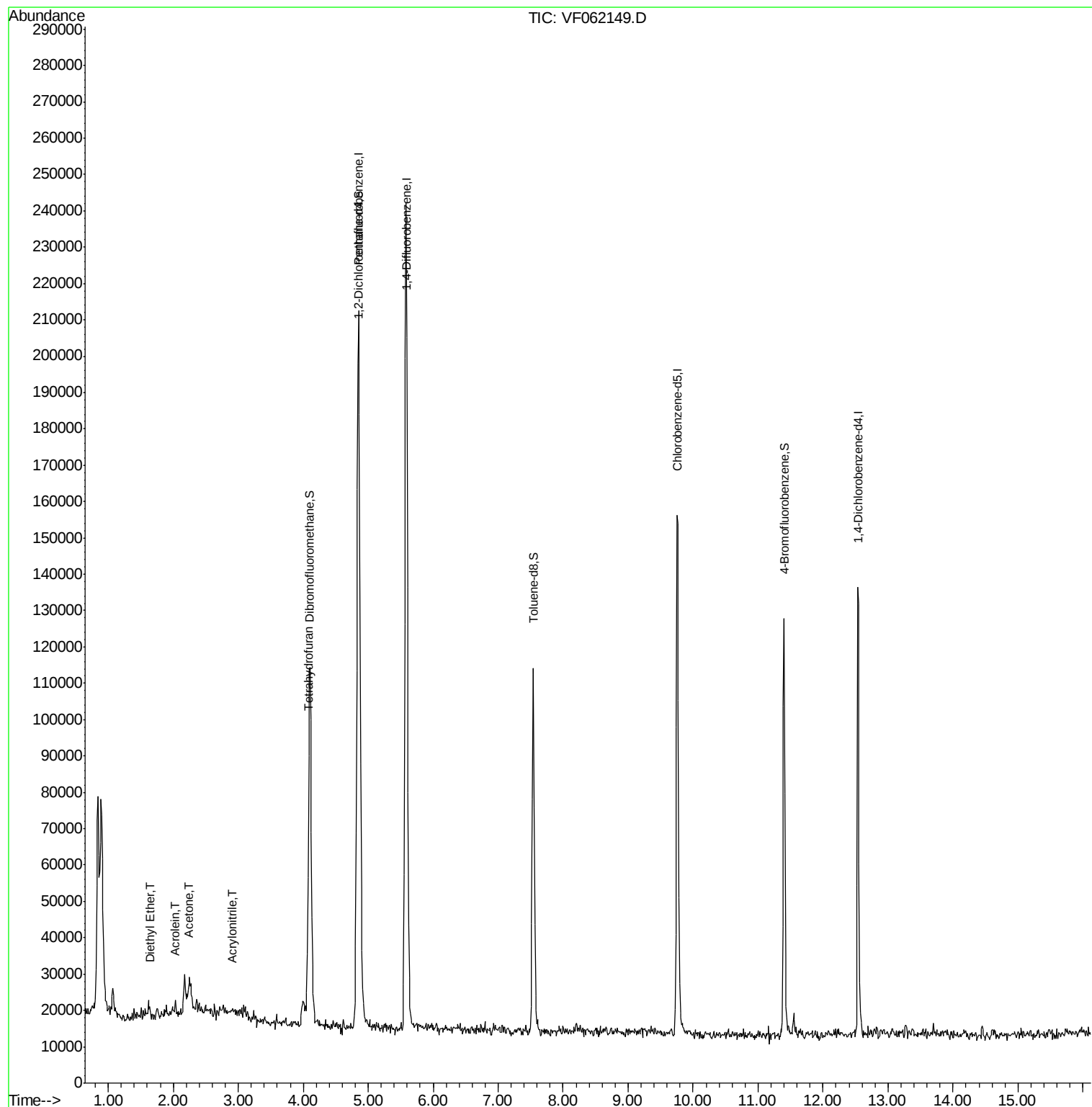
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	182986	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	280522	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.76	117	123938	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	38916	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	68578	50.39	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	100.78%	
35) Dibromofluoromethane	4.10	113	102274	53.90	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	107.80%	
50) Toluene-d8	7.54	98	94002	16.60	ug/l	-0.05
Spiked Amount 50.000			Recovery	=	33.20%	
62) 4-Bromofluorobenzene	11.40	95	47174	21.57	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	43.14%	
Target Compounds						
8) Diethyl Ether	1.64	74	1071	1.711	ug/l	92
13) Acrolein	2.04	56	338	3.753	ug/l	96
15) Acrylonitrile	2.92	53	486	1.846	ug/l #	14
16) Acetone	2.23	43	1547	5.400	ug/l	92
29) Tetrahydrofuran	4.07	42	1006	3.869	ug/l #	50

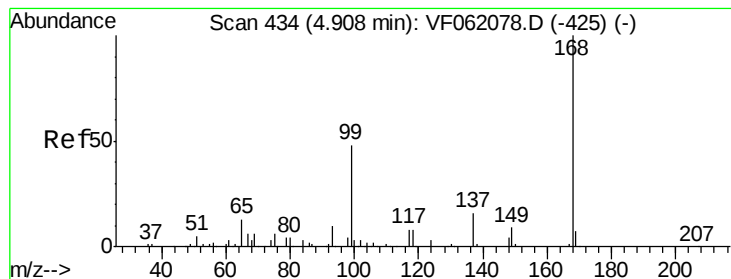
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
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. -0.05 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

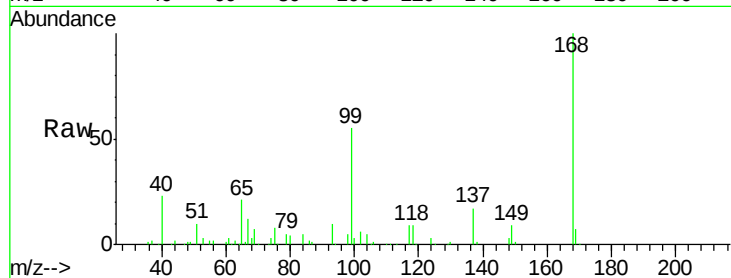
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 182986

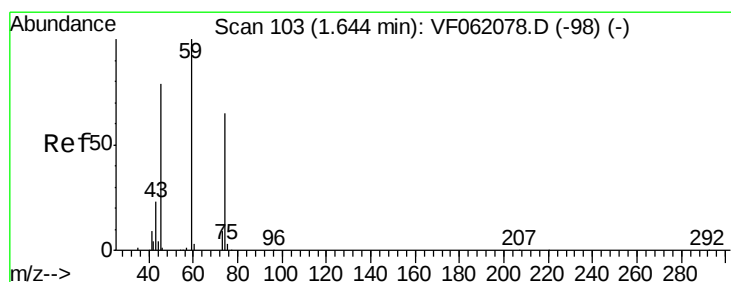
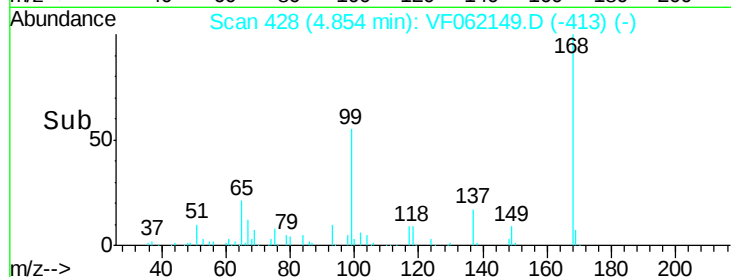
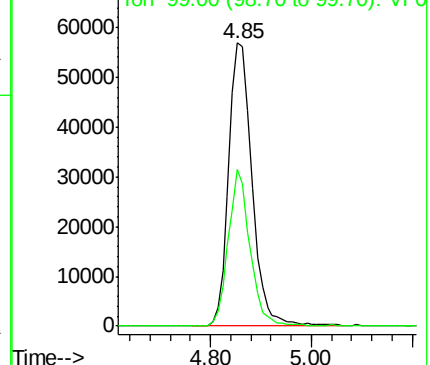
Ion Ratio Lower Upper

168 100

99 55.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0



#8

Diethyl Ether

Concen: 1.711 ug/l

RT: 1.64 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF062149.D

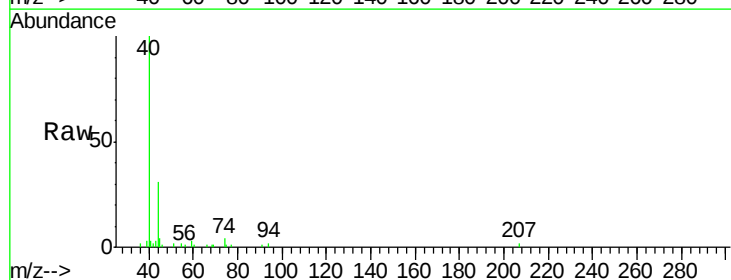
Acq: 26 Mar 2019 16:46

Tgt Ion: 74 Resp: 1071

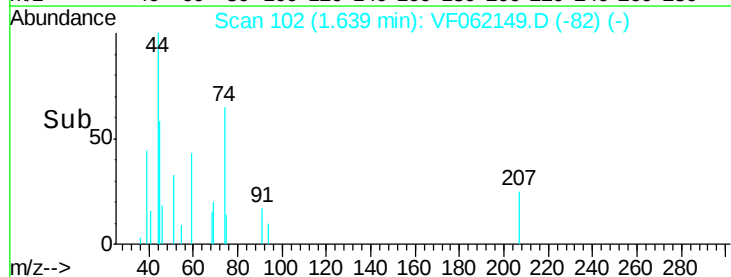
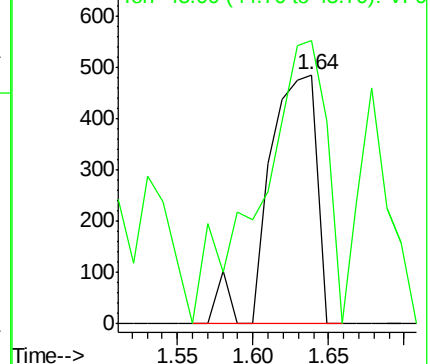
Ion Ratio Lower Upper

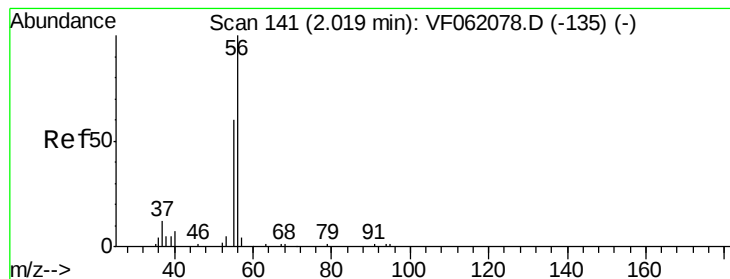
74 100

45 113.8 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#13

Acrolein

Concen: 3.753 ug/l

RT: 2.04 min Scan# 143

Delta R.T. 0.02 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

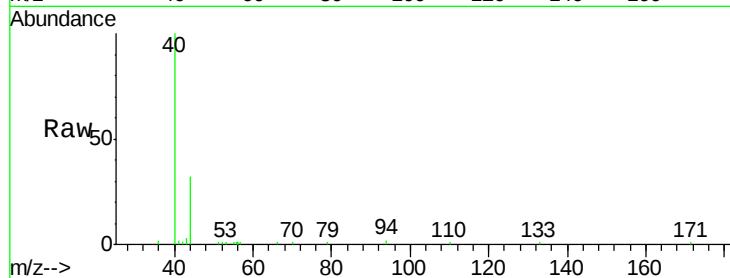
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 338

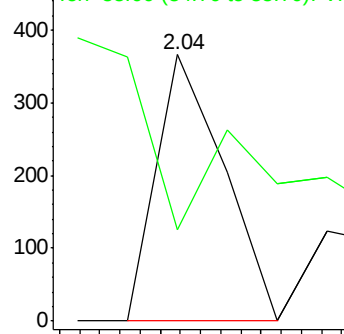
Ion Ratio Lower Upper

56 100

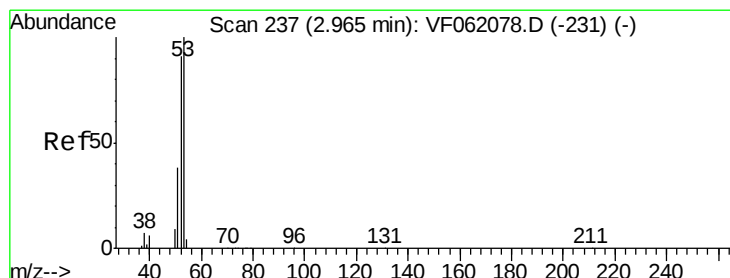
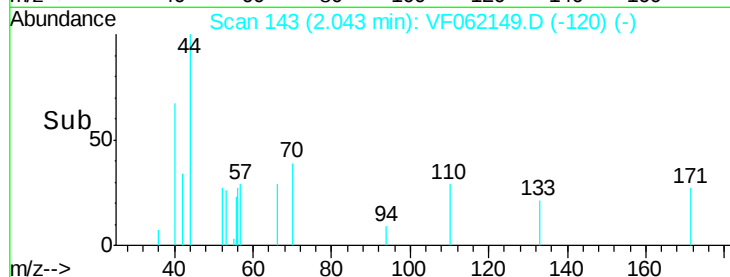
55 63.9 49.0 73.4



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0



Time-->



#15

Acrylonitrile

Concen: 1.846 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

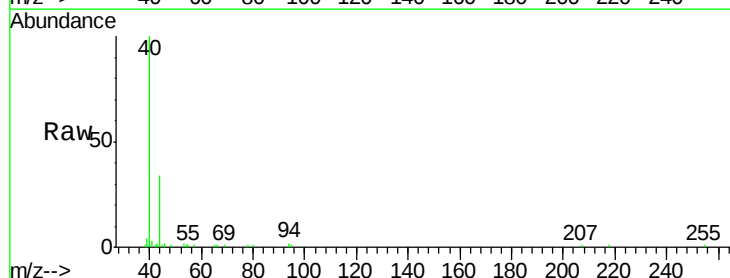
Tgt Ion: 53 Resp: 486

Ion Ratio Lower Upper

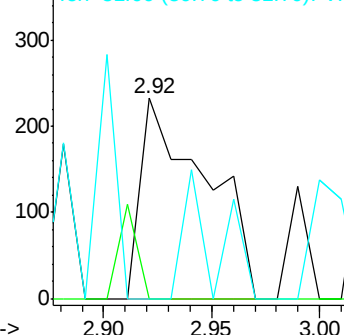
53 100

52 0.0 72.3 108.5#

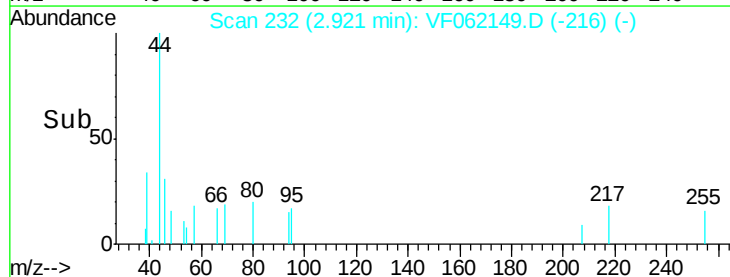
51 0.0 30.4 45.6#

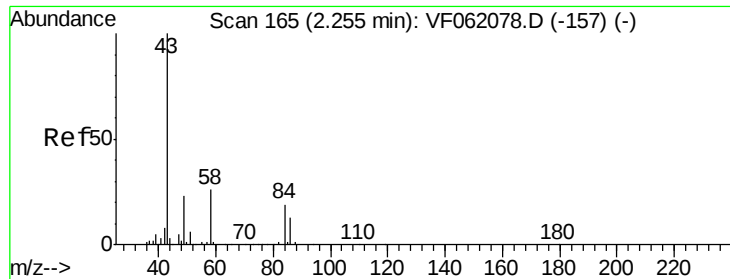


Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 5.400 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

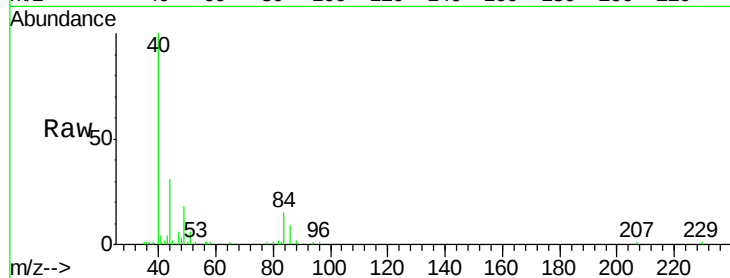
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1547

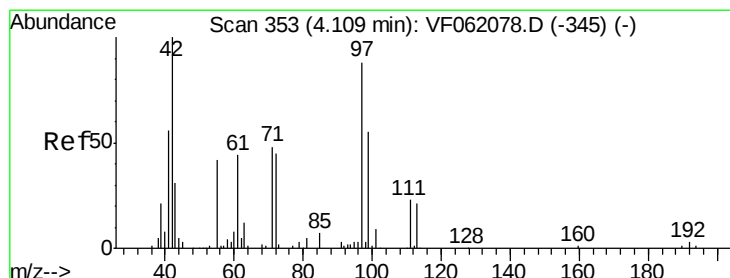
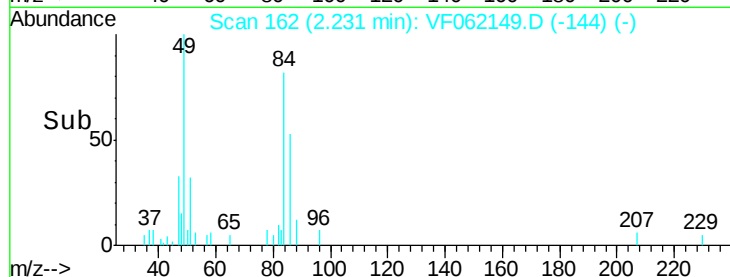
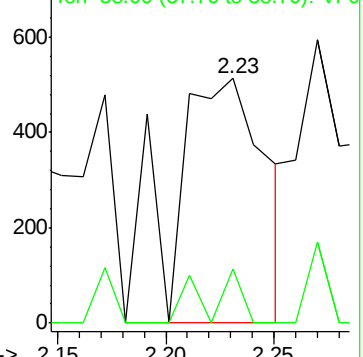
Ion Ratio Lower Upper

43 100

58 22.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#29

Tetrahydrofuran

Concen: 3.869 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

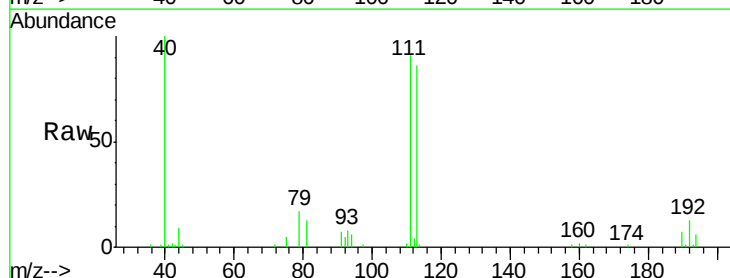
Tgt Ion: 42 Resp: 1006

Ion Ratio Lower Upper

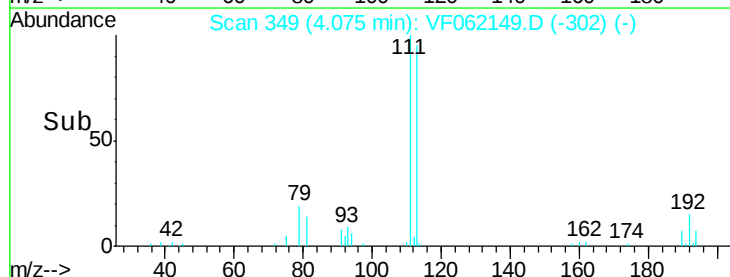
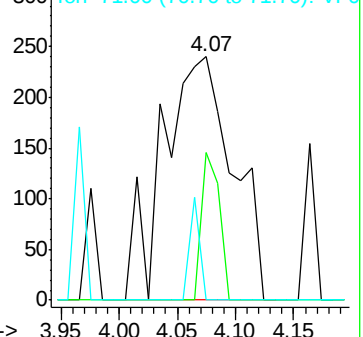
42 100

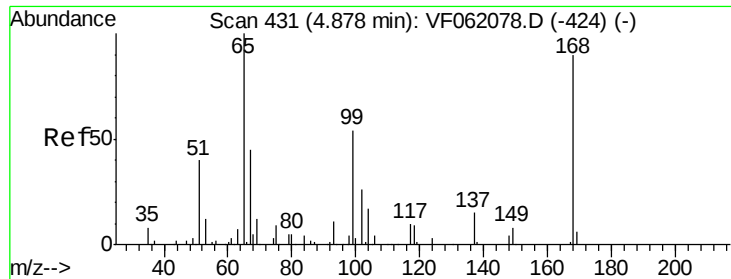
72 15.3 33.3 49.9#

71 6.0 35.0 52.4#



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: 50.386 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.04 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

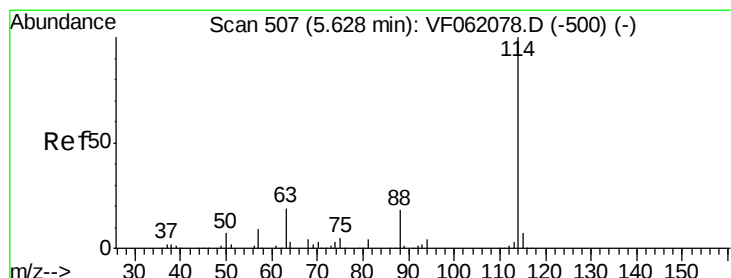
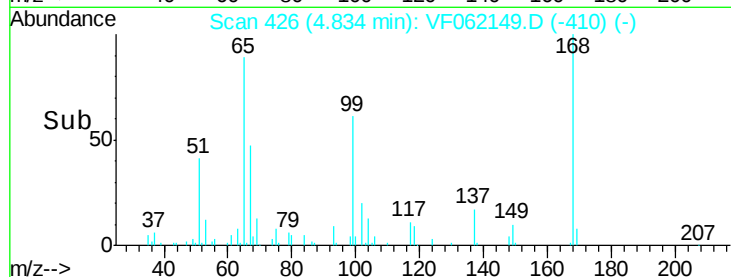
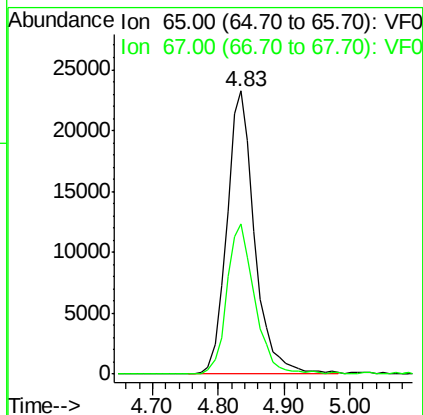
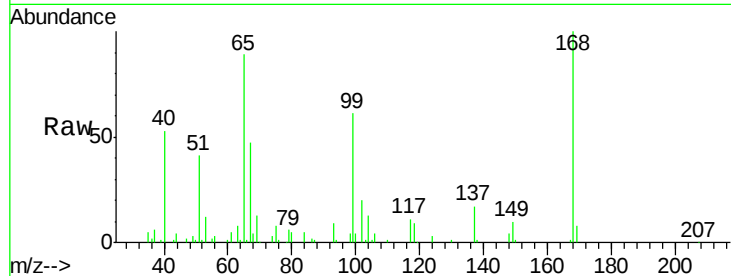
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 68578

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.04 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

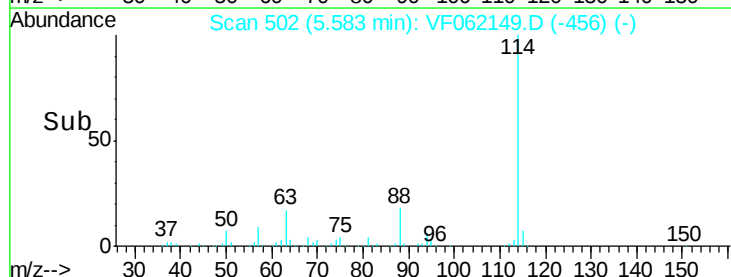
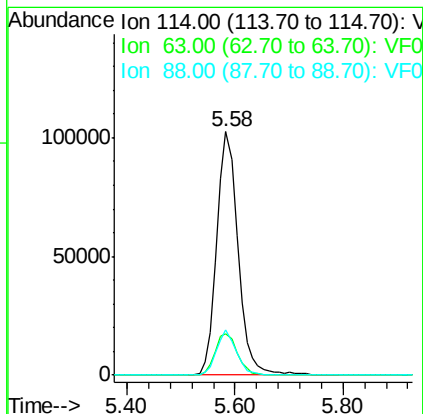
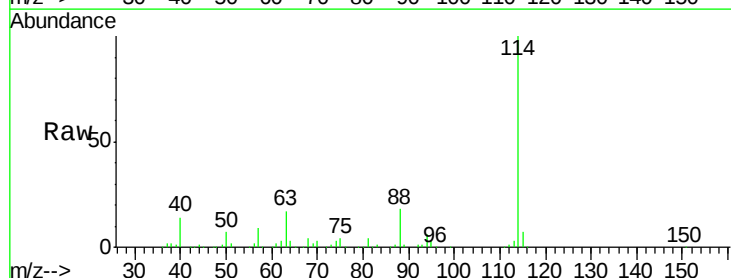
Tgt Ion: 114 Resp: 280522

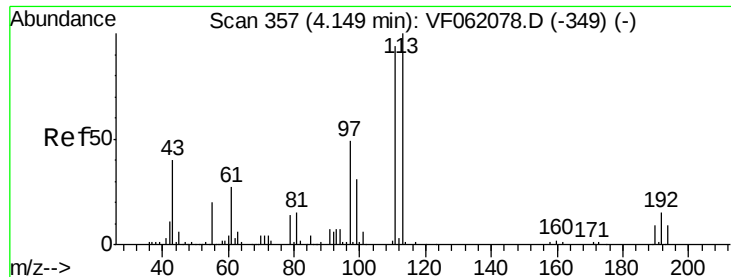
Ion Ratio Lower Upper

114 100

63 17.0 0.0 37.8

88 18.4 0.0 36.4





#35

Dibromofluoromethane

Concen: 53.896 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.04 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

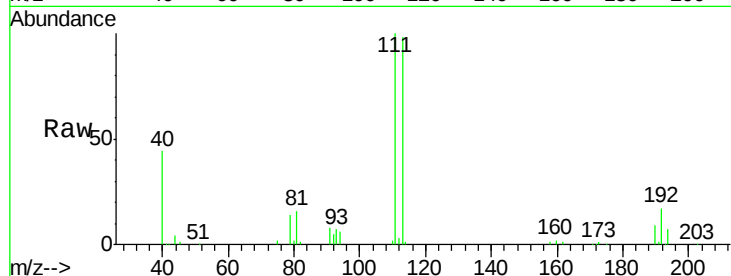
Tot Ion:113 Resp: 102274

Ion Ratio Lower Upper

113 100

111 102.5 75.4 113.0

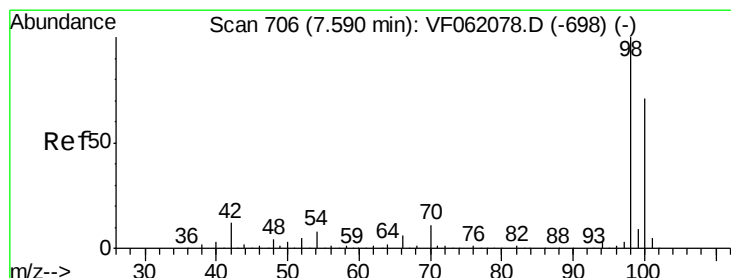
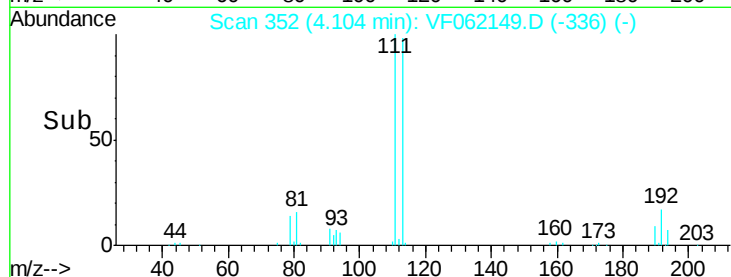
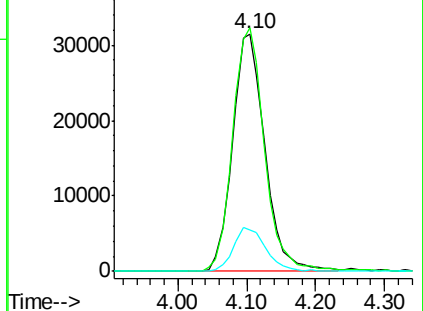
192 17.9 12.3 18.5



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



#50

Toluene-d8

Concen: 16.595 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.05 min

Lab File: VF062149.D

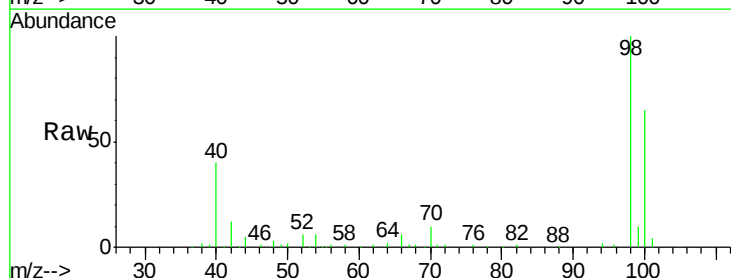
Acq: 26 Mar 2019 16:46

Tgt Ion: 98 Resp: 94002

Ion Ratio Lower Upper

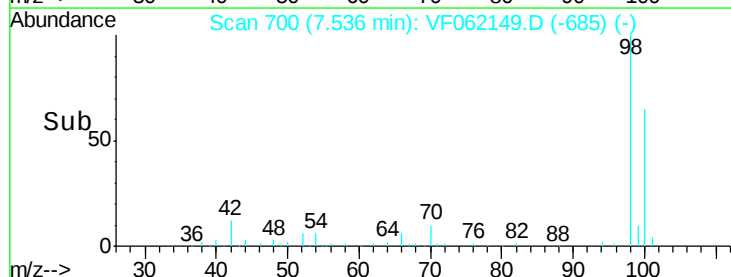
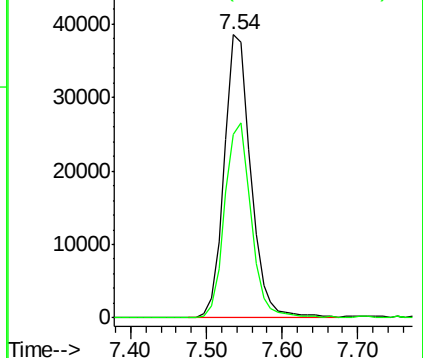
98 100

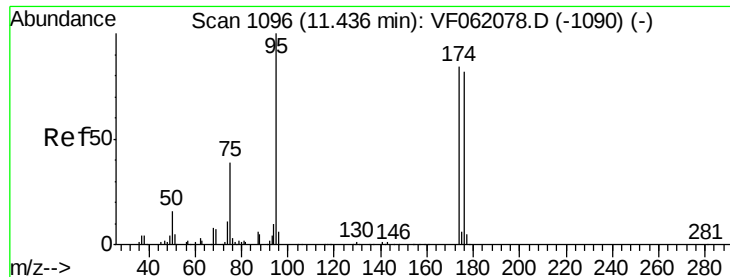
100 64.9 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

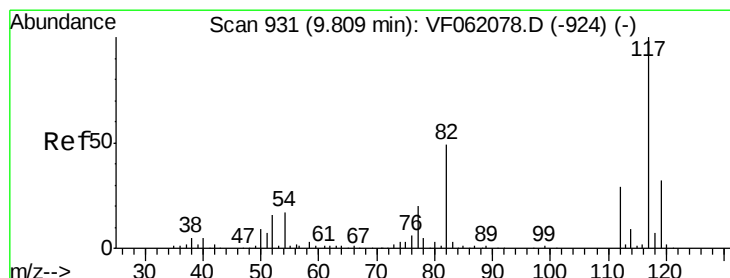
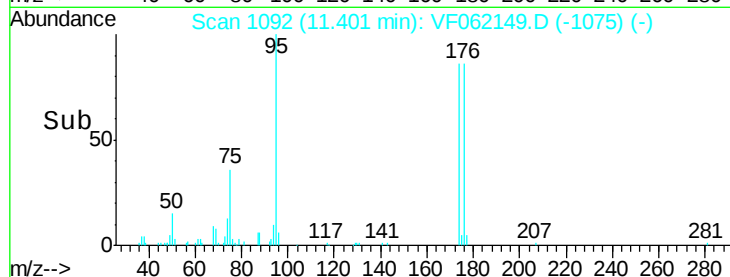
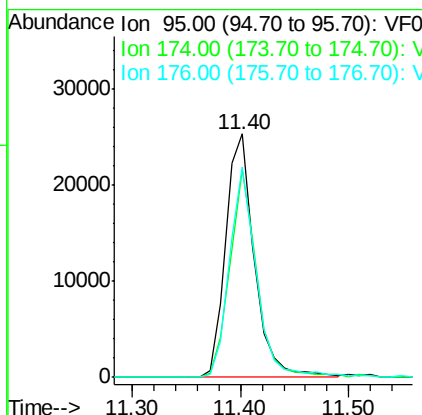
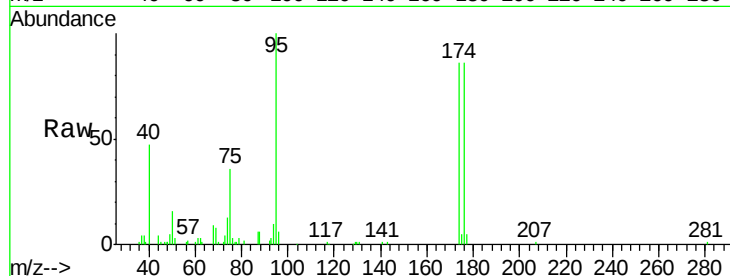




#62
4-Bromofluorobenzene
Concen: 21.572 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.03 min
Lab File: VF062149.D
Acq: 26 Mar 2019 16:46

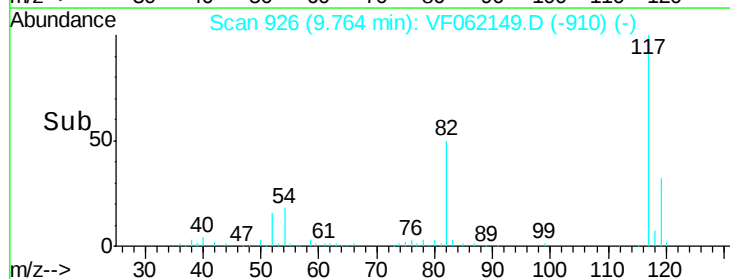
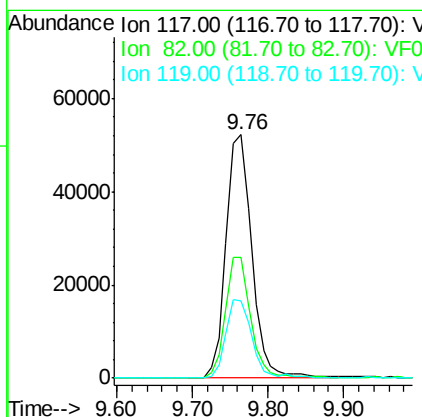
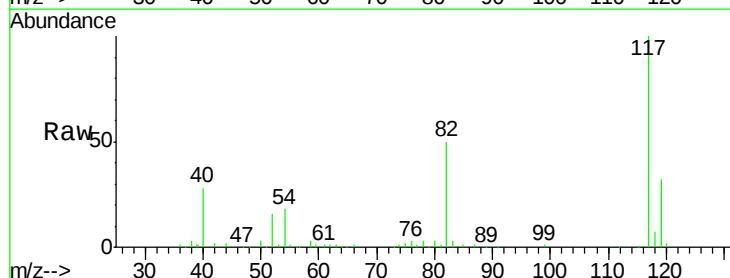
Instrument :
MSVOA_F
ClientSampleId :

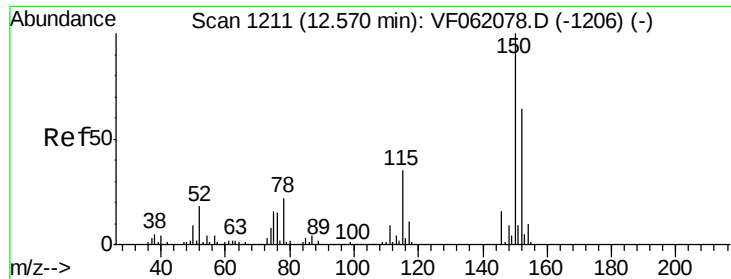
Tot Ion: 95 Resp: 47174
Ion Ratio Lower Upper
95 100
174 85.6 0.0 168.2
176 86.5 0.0 164.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.04 min
Lab File: VF062149.D
Acq: 26 Mar 2019 16:46

Tgt Ion: 117 Resp: 123938
Ion Ratio Lower Upper
117 100
82 49.5 39.2 58.8
119 31.7 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF062149.D

Acq: 26 Mar 2019 16:46

Instrument :

MSVOA_F

ClientSampleId :

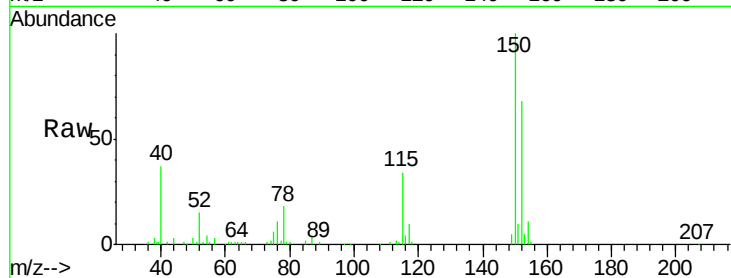
Tot Ion:152 Resp: 38916

Ion Ratio Lower Upper

152 100

115 50.1 27.7 83.1

150 147.6 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

