

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062496.D
 Acq On : 12 May 2019 11:52
 Operator : FY/SY
 Sample : VF0512SBL01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBL01

Quant Time: May 13 05:13:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	333427	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	429600	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	392203	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	258539	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	164420	52.18	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	4.32	113	207675	60.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	121.36%	
50) Toluene-d8	7.73	98	443800	53.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	11.50	95	215299	57.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.20%	

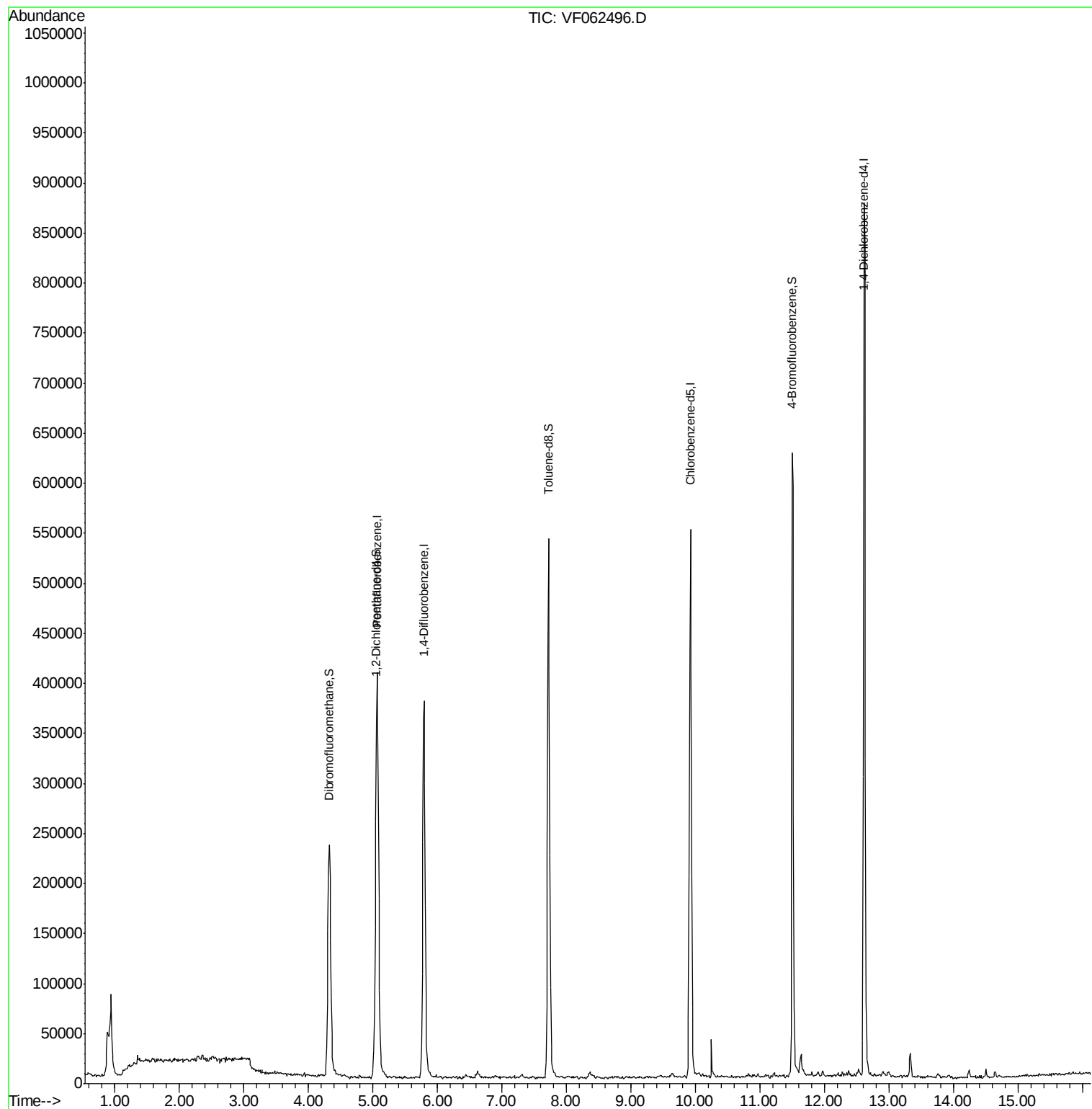
Target Compounds	Qvalue

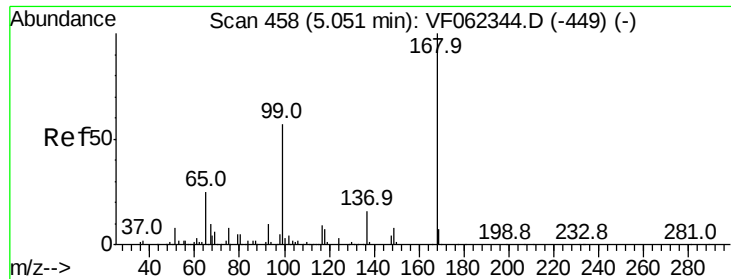
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051219\
Data File : VF062496.D
Acq On : 12 May 2019 11:52
Operator : FY/SY
Sample : VF0512SBL01
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBL01

Quant Time: May 13 05:13:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062496.D

Acq: 12 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

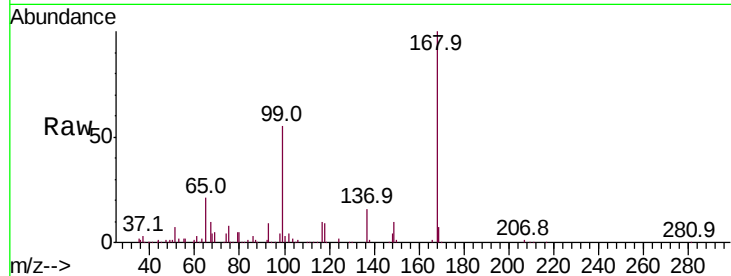
VF0512SBL01

Tot Ion:168 Resp: 333427

Ion Ratio Lower Upper

168 100

99 54.8 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

120000

100000

80000

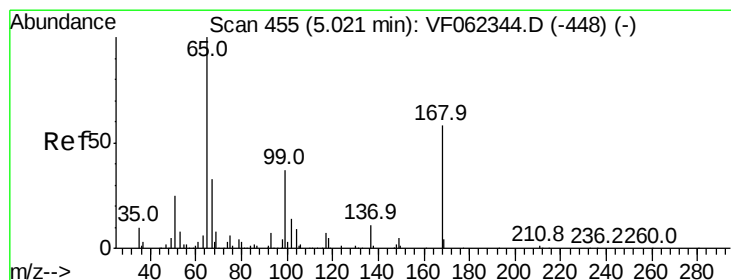
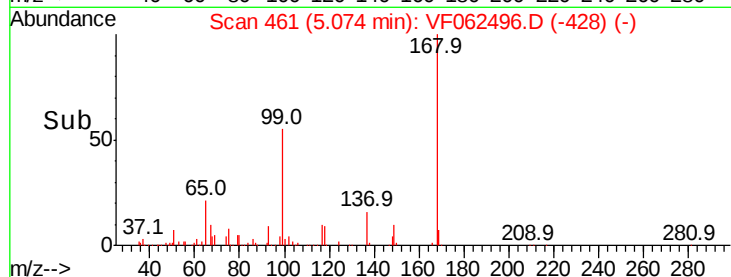
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#33

1,2-Dichloroethane-d4

Concen: 52.180 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.02 min

Lab File: VF062496.D

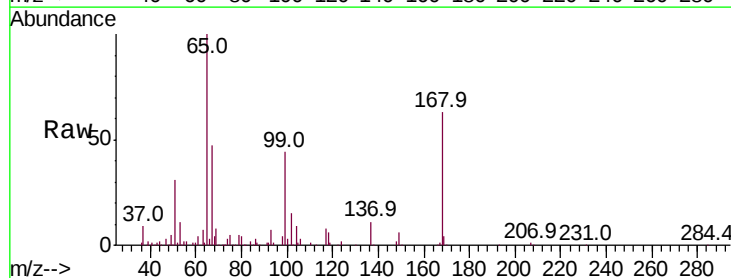
Acq: 12 May 2019 11:52

Tgt Ion: 65 Resp: 164420

Ion Ratio Lower Upper

65 100

67 46.4 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0

5.04

60000

50000

40000

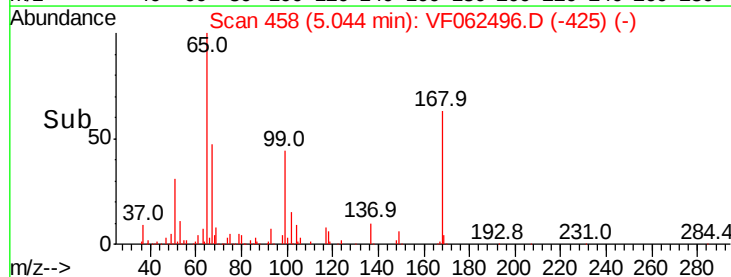
30000

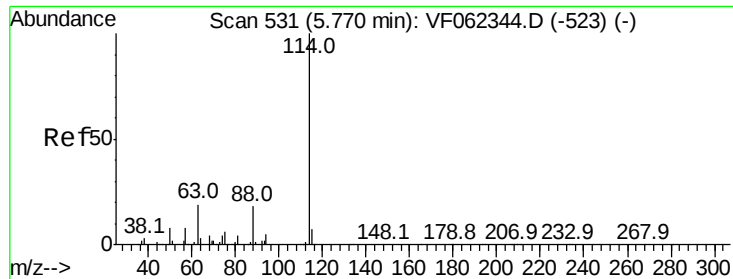
20000

10000

0

Time--> 4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 534

Delta R.T. 0.02 min

Lab File: VF062496.D

Acq: 12 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBL01

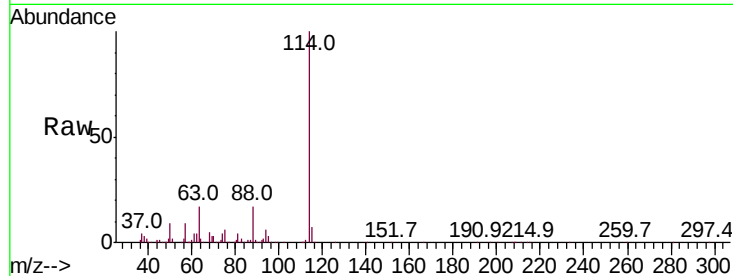
Tot Ion:114 Resp: 429600

Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.4

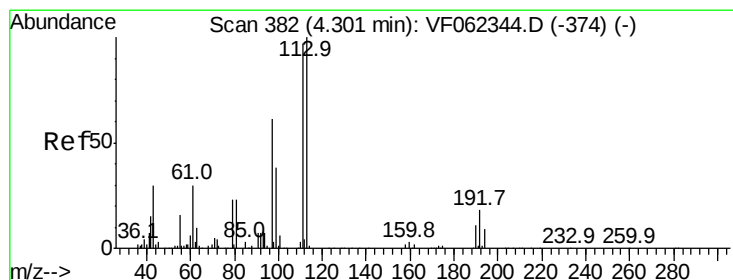
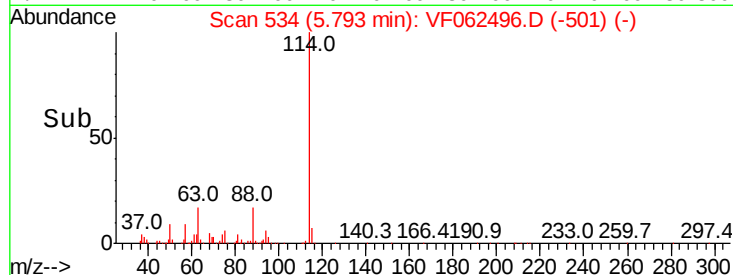
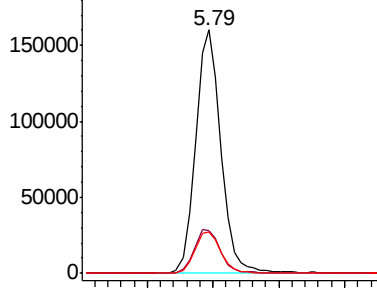
88 16.9 0.0 36.4



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: 60.678 ug/l

RT: 4.32 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062496.D

Acq: 12 May 2019 11:52

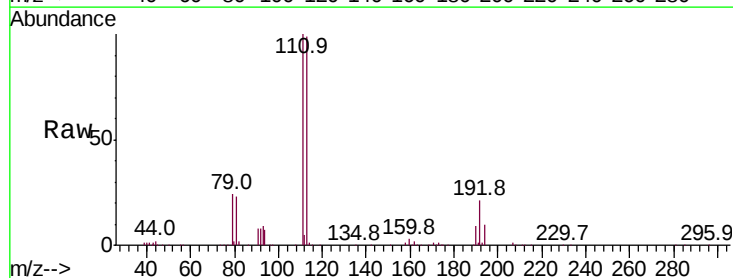
Tgt Ion:113 Resp: 207675

Ion Ratio Lower Upper

113 100

111 102.0 79.4 119.0

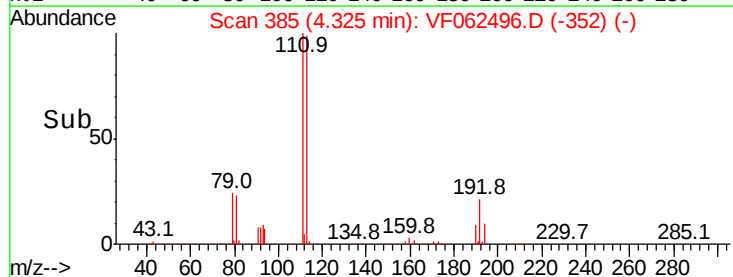
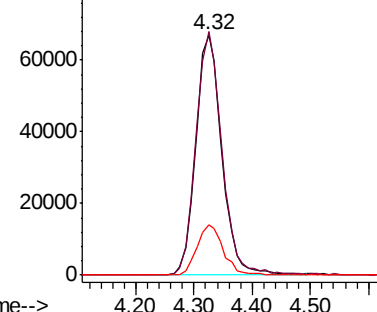
192 21.3 16.0 24.0

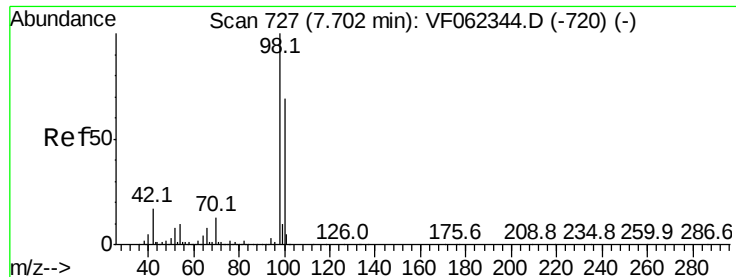


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.568 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.02 min

Lab File: VF062496.D

Acq: 12 May 2019 11:52

Instrument :

MSVOA_F

ClientSampleId :

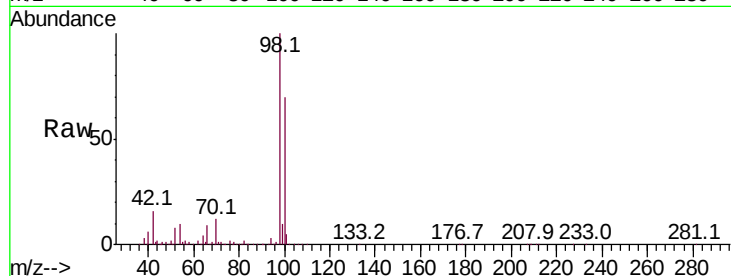
VF0512SBL01

Tot Ion: 98 Resp: 443800

Ion Ratio Lower Upper

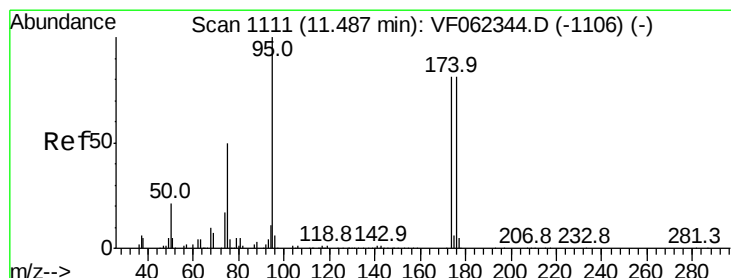
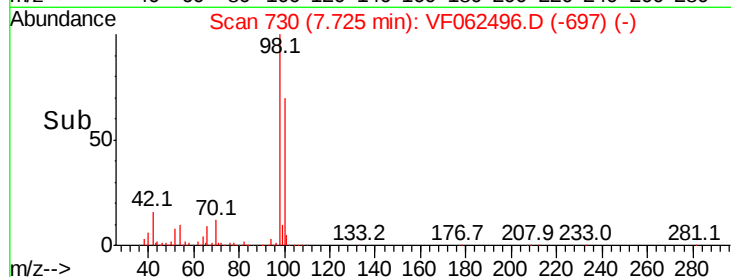
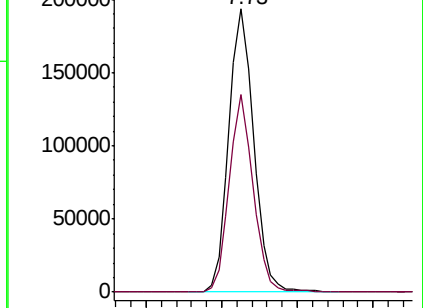
98 100

100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 57.601 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062496.D

Acq: 12 May 2019 11:52

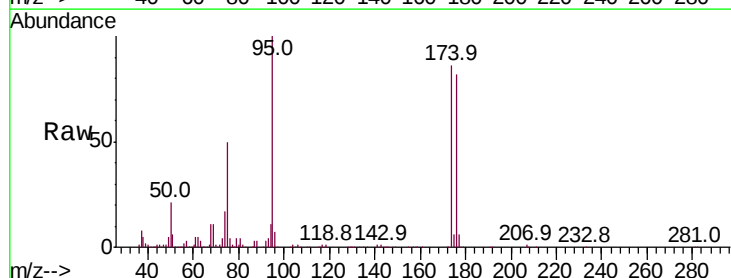
Tgt Ion: 95 Resp: 215299

Ion Ratio Lower Upper

95 100

174 98.6 0.0 191.8

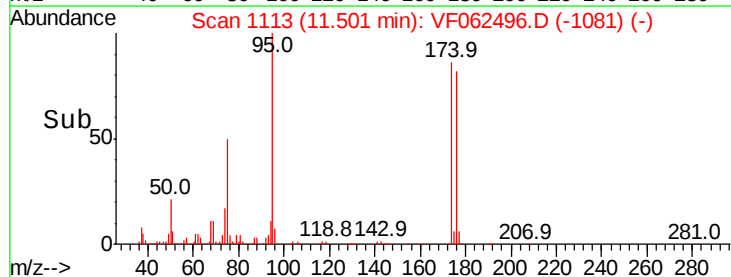
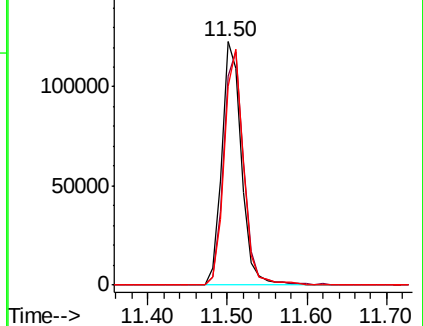
176 95.4 0.0 193.2

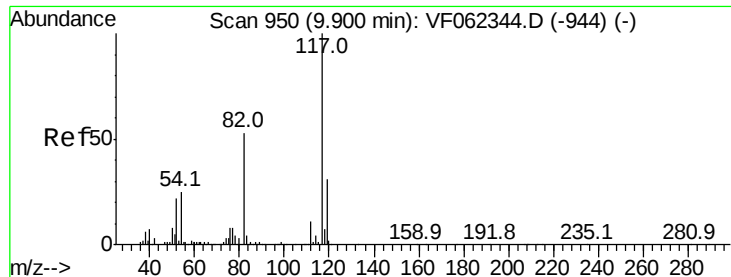


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

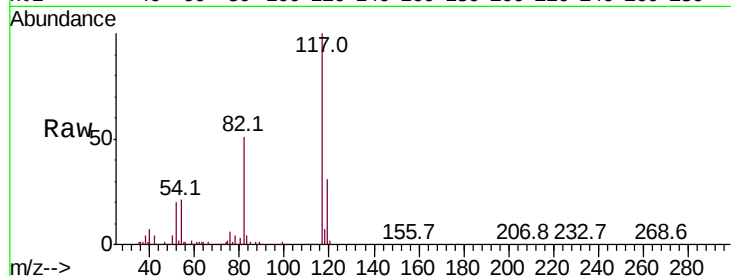




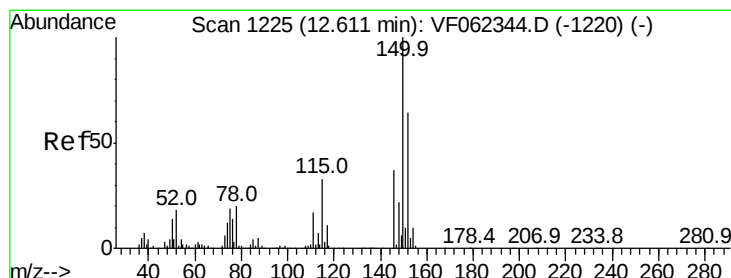
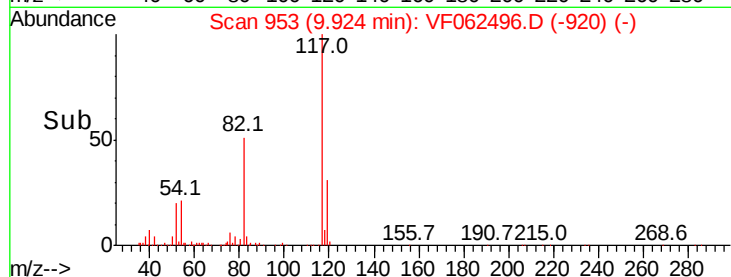
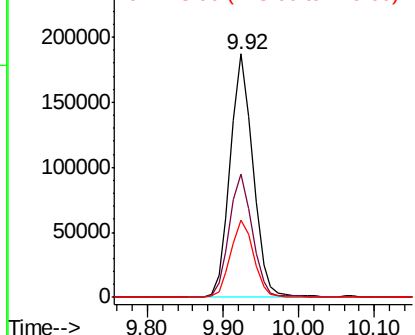
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062496.D
Acq: 12 May 2019 11:52

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.2	63.2
119	31.5	25.0	37.4

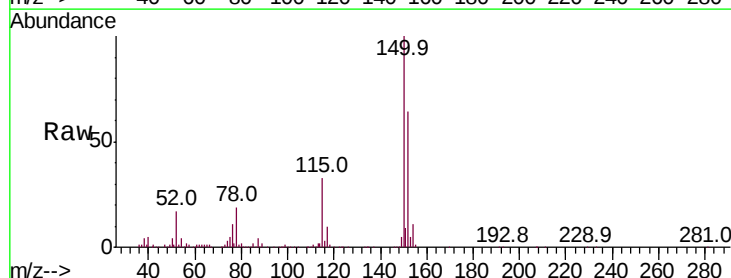


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. 0.01 min
Lab File: VF062496.D
Acq: 12 May 2019 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.4	79.2
150	151.3	0.0	335.0



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

