

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062523.D
 Acq On : 13 May 2019 2:00
 Operator : FY/SY
 Sample : K2756-04
 Misc : 6.52g/5mL/MSVOA F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P021-SS005-1218-01

Quant Time: May 13 07:22:38 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	5.08	168	301646	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.80	114	408531	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.93	117	346526	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	186536	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	124277	43.60	ug/l	0.03
Spiked Amount			Recovery	=	87.20%	
35) Dibromofluoromethane	4.33	113	153104	47.04	ug/l	0.03
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	7.73	98	319390	40.54	ug/l	0.03
Spiked Amount			Recovery	=	81.08%	
62) 4-Bromofluorobenzene	11.51	95	140190	39.44	ug/l	0.02
Spiked Amount			Recovery	=	78.88%	

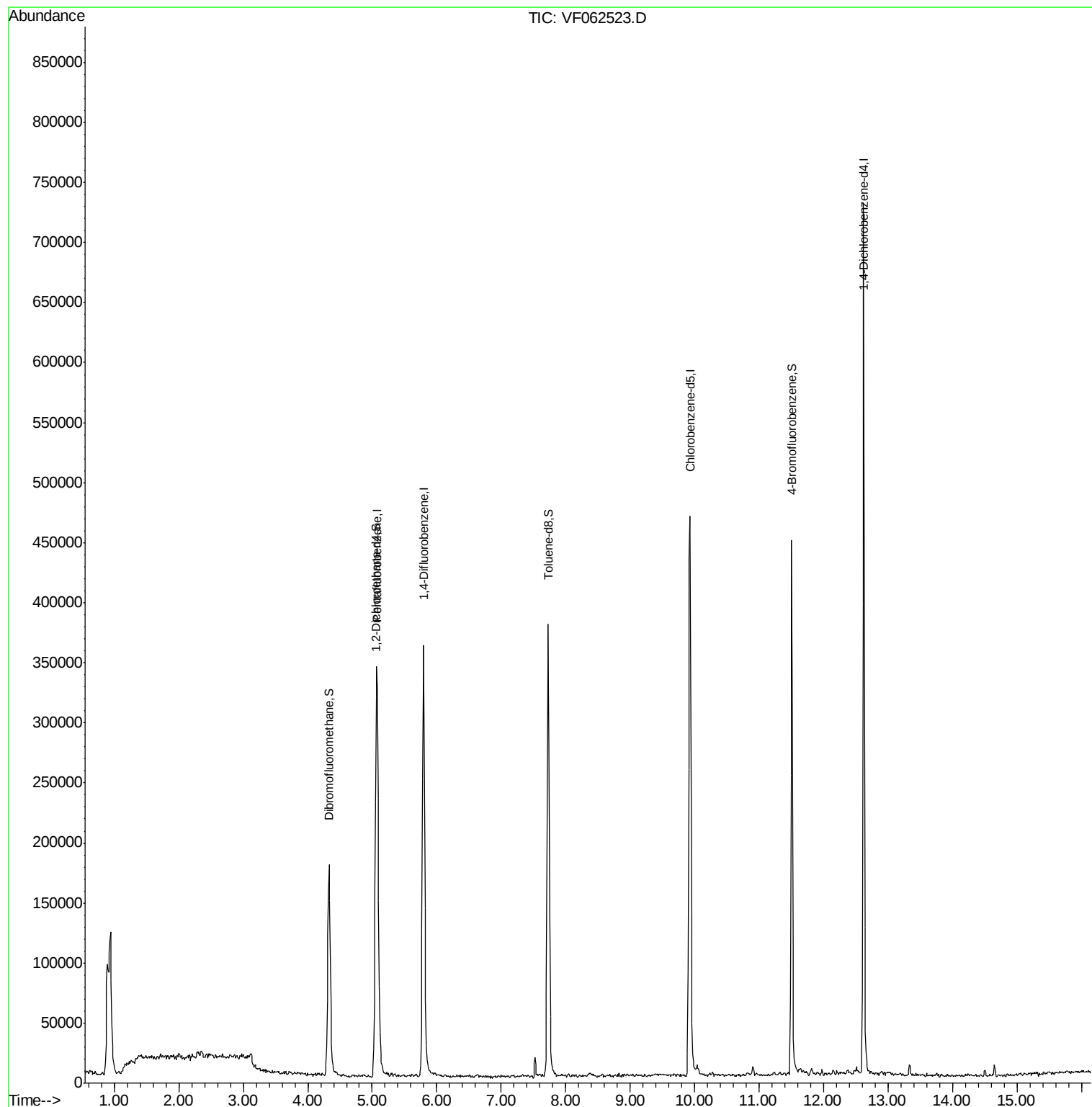
Target Compounds	Qvalue
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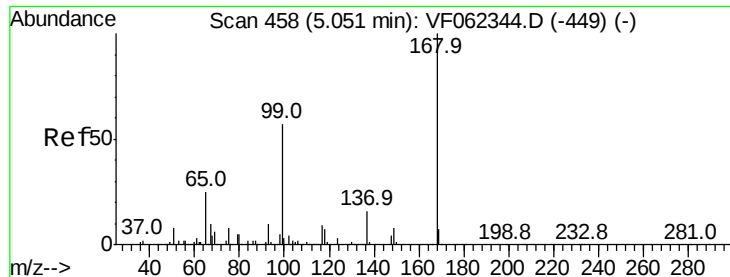
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062523.D

Acq: 13 May 2019 2:00

Instrument :

MSVOA_F

ClientSampleId :

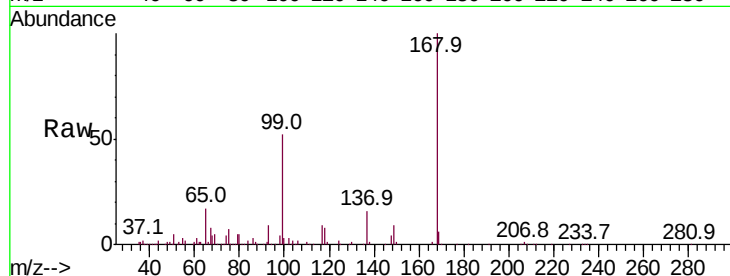
P021-SS005-1218-01

Tot Ion:168 Resp: 301646

Ion Ratio Lower Upper

168 100

99 52.3 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

100000

80000

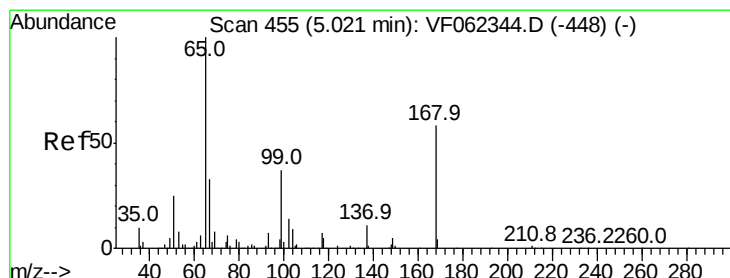
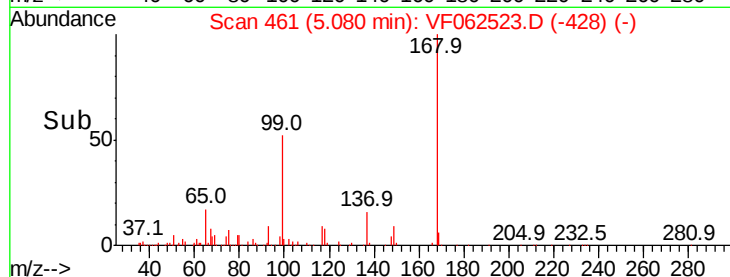
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 43.596 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062523.D

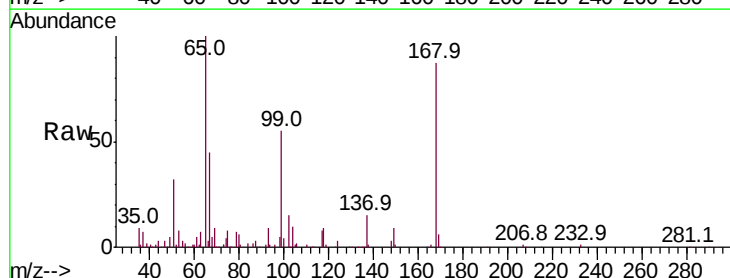
Acq: 13 May 2019 2:00

Tgt Ion: 65 Resp: 124277

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

5.05

50000

40000

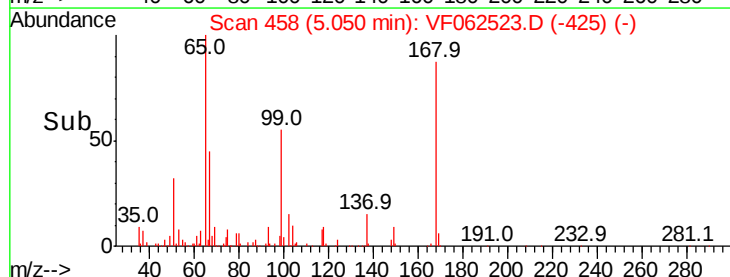
30000

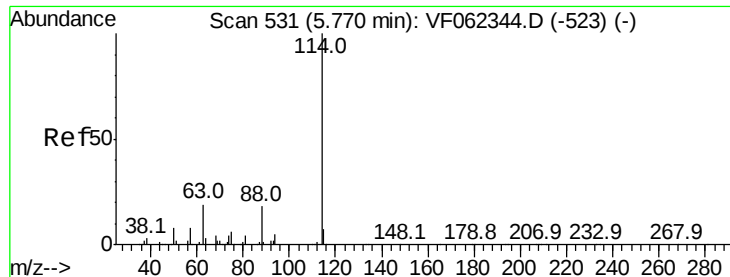
20000

10000

0

Time--> 4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.80 min Scan# 534

Delta R.T. 0.03 min

Lab File: VF062523.D

Acq: 13 May 2019 2:00

Instrument :

MSVOA_F

ClientSampleId :

P021-SS005-1218-01

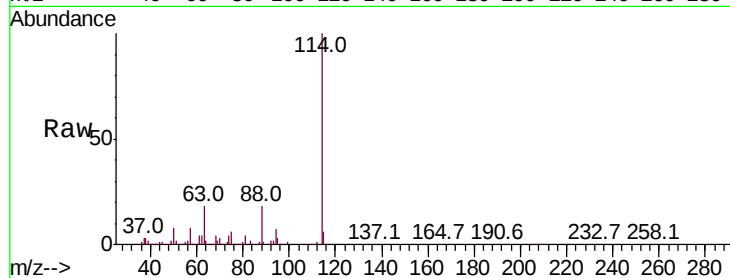
Tot Ion:114 Resp: 408531

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.4

88 17.5 0.0 36.4

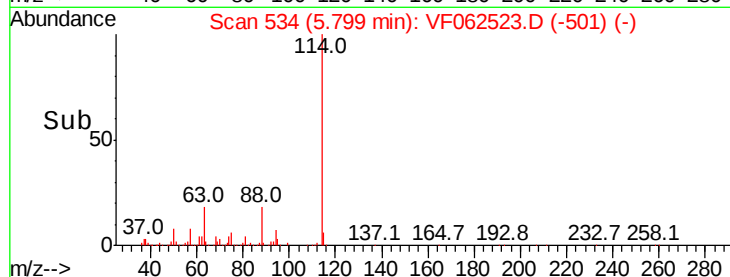


Abundance Ion 113.90 (113.60 to 114.60): V

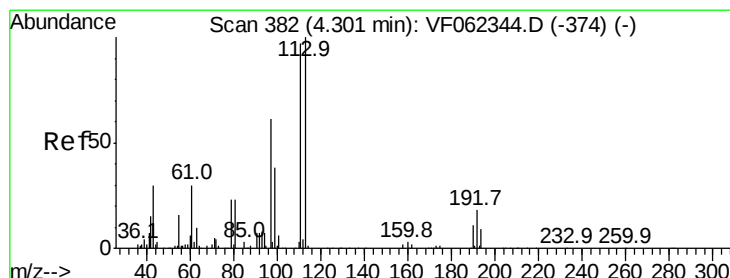
Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

5.80



Time-->



#35

Dibromofluoromethane

Concen: 47.041 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062523.D

Acq: 13 May 2019 2:00

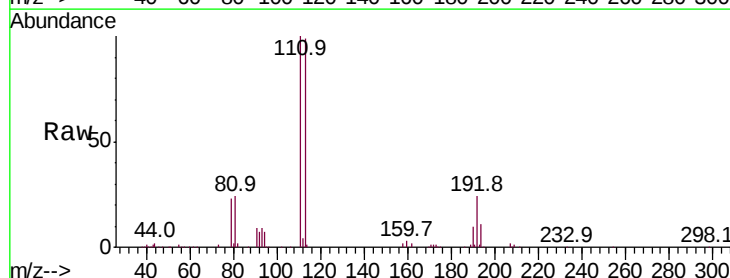
Tgt Ion:113 Resp: 153104

Ion Ratio Lower Upper

113 100

111 104.6 79.4 119.0

192 21.6 16.0 24.0

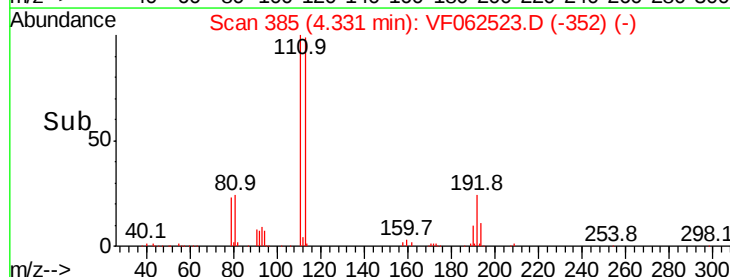


Abundance Ion 112.80 (112.50 to 113.50): V

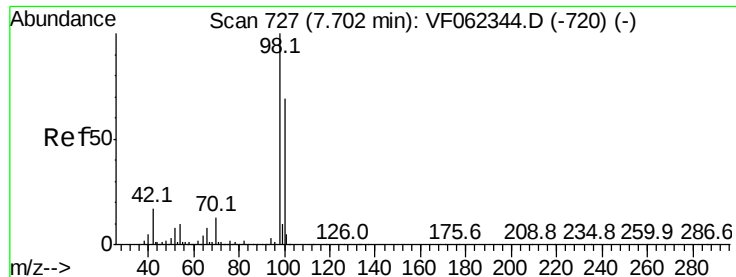
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

4.33



Time-->



#50

Toluene-d8

Concen: 40.540 ug/l

RT: 7.73 min Scan# 730

Delta R.T. 0.03 min

Lab File: VF062523.D

Acq: 13 May 2019 2:00

Instrument :

MSVOA_F

ClientSampleId :

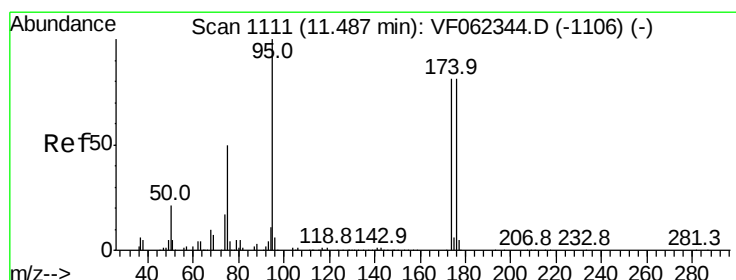
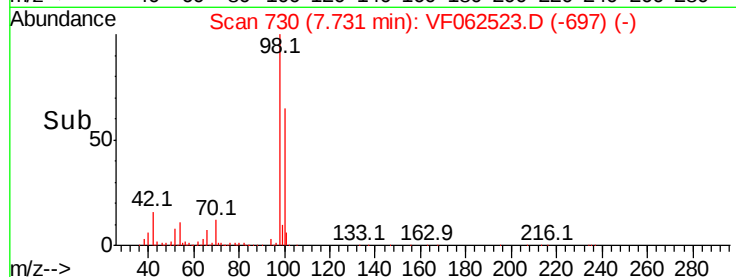
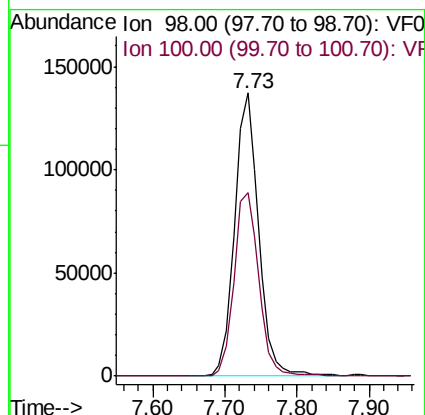
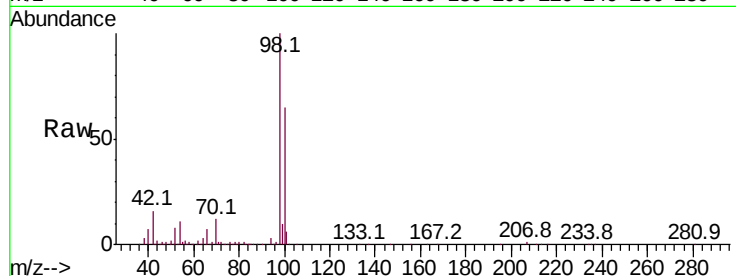
P021-SS005-1218-01

Tot Ion: 98 Resp: 319390

Ion Ratio Lower Upper

98 100

100 66.7 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 39.440 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062523.D

Acq: 13 May 2019 2:00

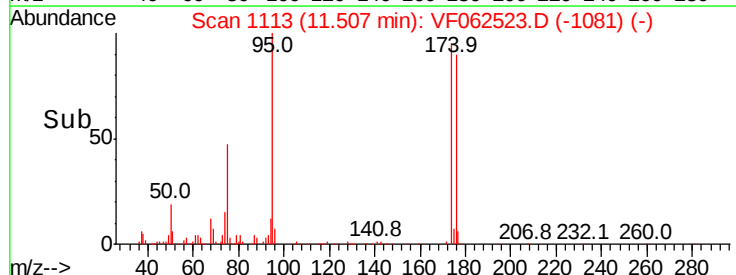
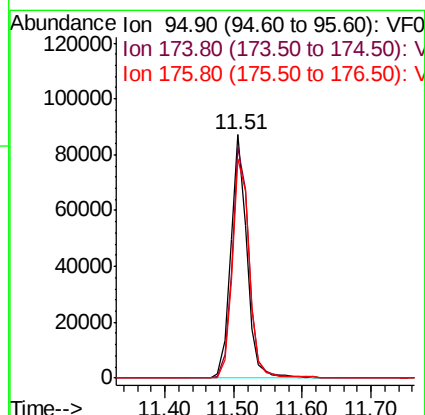
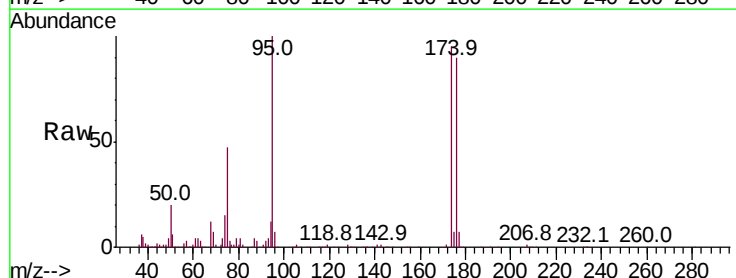
Tgt Ion: 95 Resp: 140190

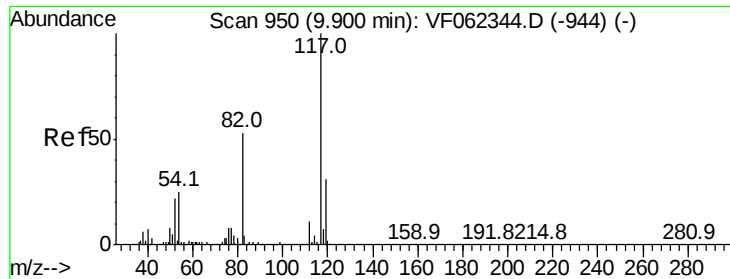
Ion Ratio Lower Upper

95 100

174 99.4 0.0 191.8

176 95.3 0.0 193.2

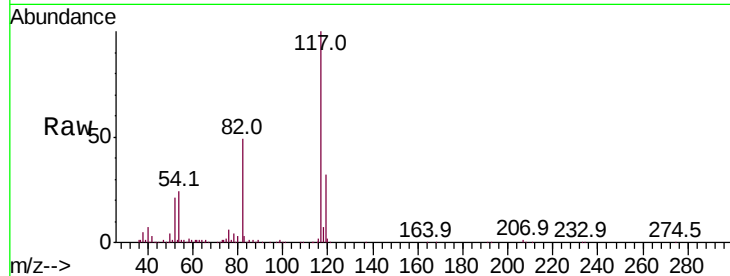




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062523.D
Acq: 13 May 2019 2:00

Instrument :
MSVOA_F
ClientSampleId :
P021-SS005-1218-01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.5	42.2	63.2
119	32.4	25.0	37.4

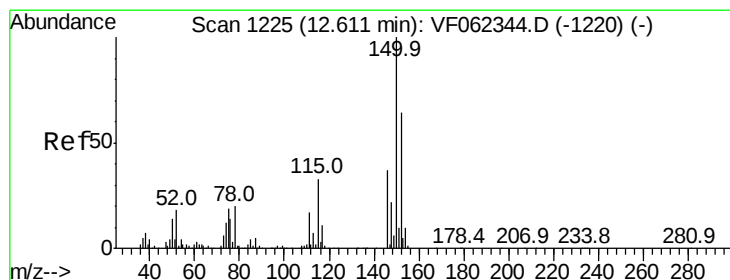
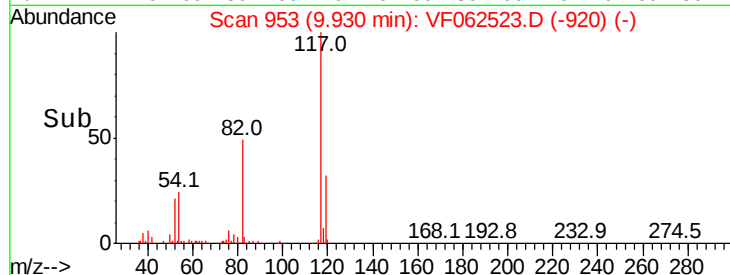
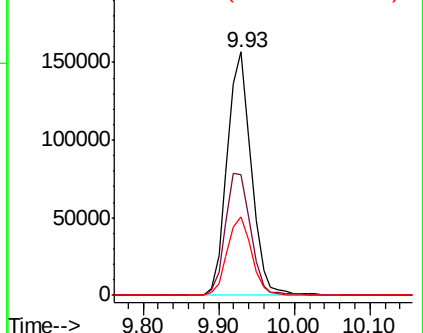


Abundance

Ion 116.90 (116.60 to 117.60): V

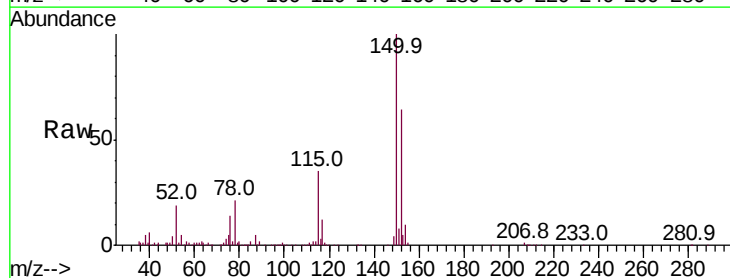
Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062523.D
Acq: 13 May 2019 2:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.4	79.2
150	154.2	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

