

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052119\
 Data File : VF062692.D
 Acq On : 21 May 2019 19:31
 Operator : FY/SY
 Sample : K2971-10RE
 Misc : 5.57g/5mL/MSVOA F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SUP-2A-G-10-052019RE

Quant Time: May 22 04:39:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	679772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1102987	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	793257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	377062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	176566	36.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.52%	
35) Dibromofluoromethane	4.31	113	317985	37.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.36%	
50) Toluene-d8	7.71	98	633680	31.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.90%	
62) 4-Bromofluorobenzene	11.50	95	233285	30.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	61.04%	

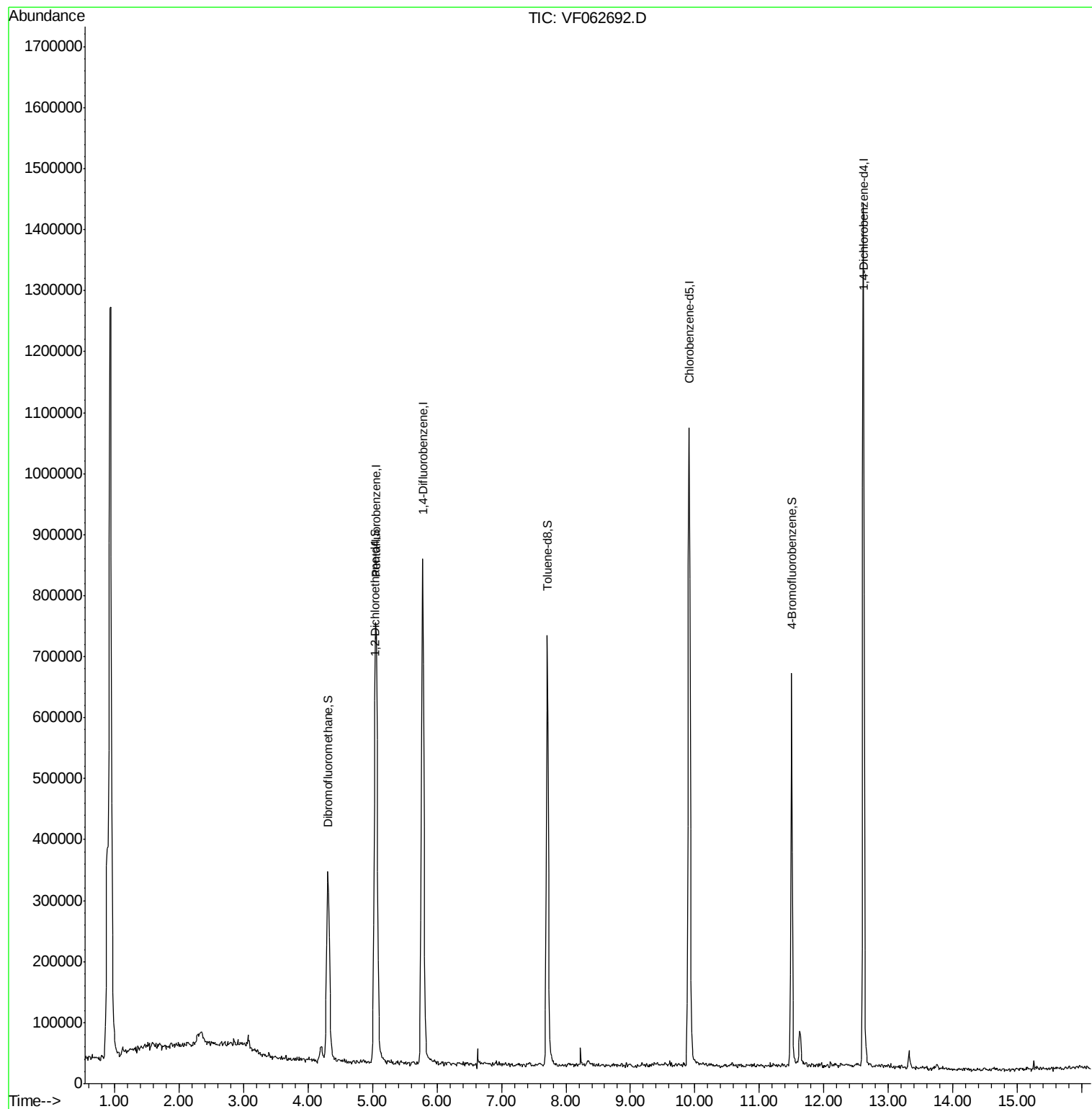
Target Compounds	Qvalue
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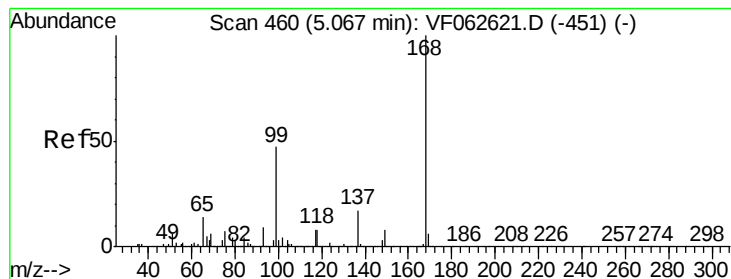
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

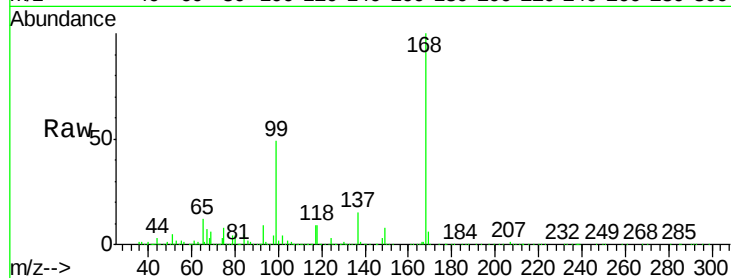
SUP-2A-G-10-052019RE

Tot Ion:168 Resp: 679772

Ion Ratio Lower Upper

168 100

99 48.7 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

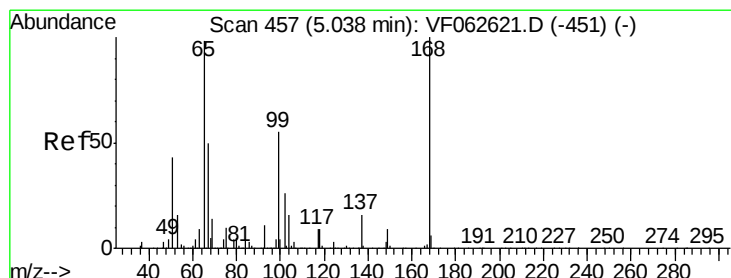
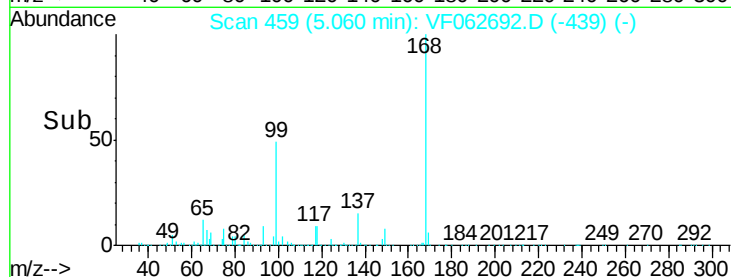
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 36.757 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF062692.D

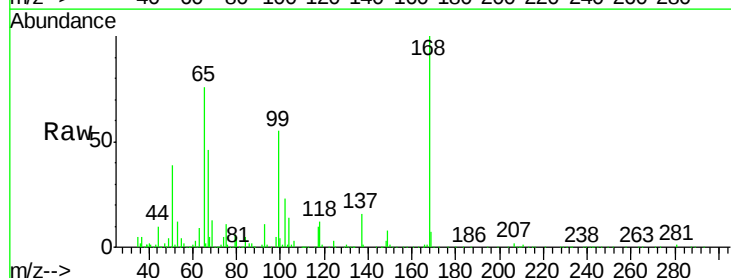
Acq: 21 May 2019 19:31

Tgt Ion: 65 Resp: 176566

Ion Ratio Lower Upper

65 100

67 60.8 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.03

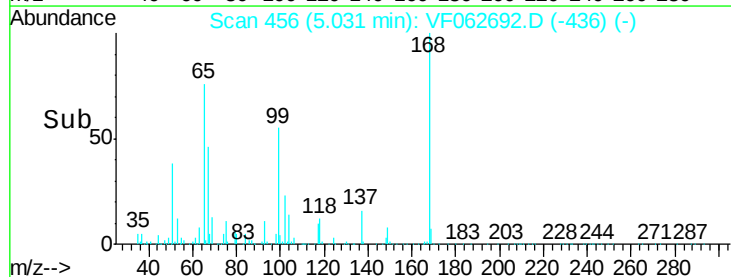
60000

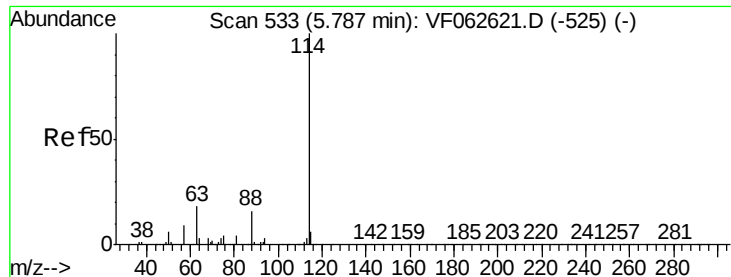
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

SUP-2A-G-10-052019RE

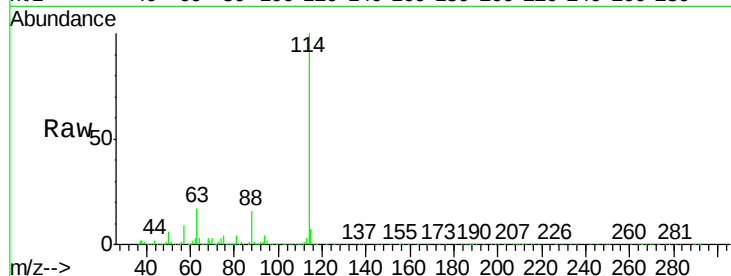
Tot Ion:114 Resp: 1102987

Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

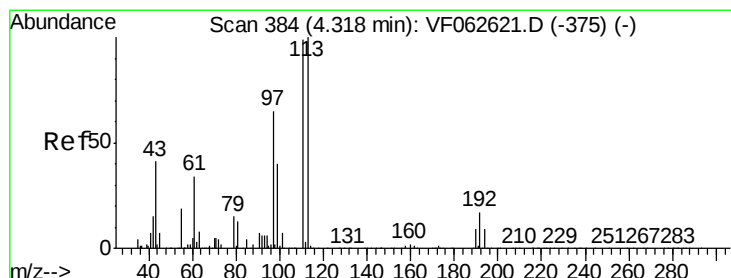
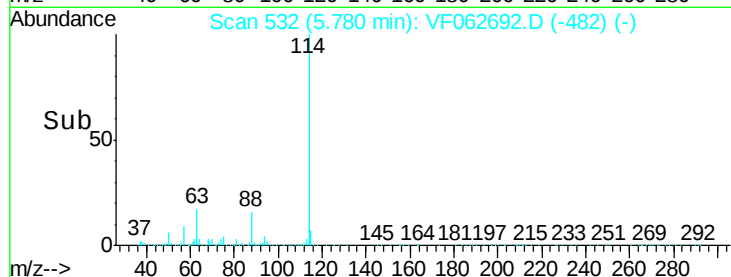
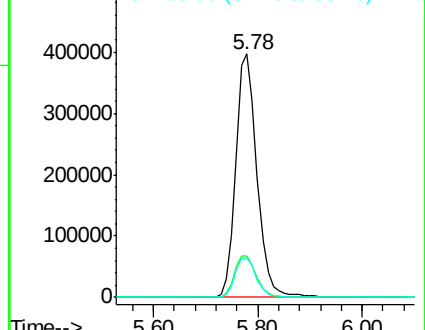
88 16.0 0.0 32.4



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: 37.676 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

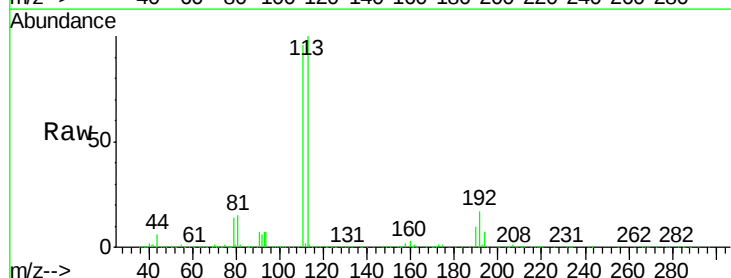
Tgt Ion:113 Resp: 317985

Ion Ratio Lower Upper

113 100

111 95.7 79.4 119.2

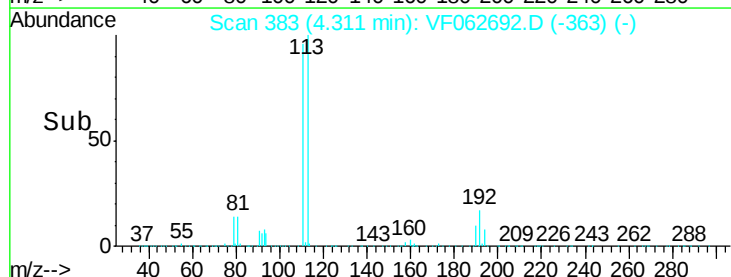
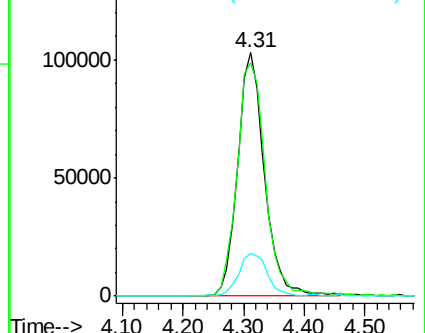
192 17.4 13.4 20.2

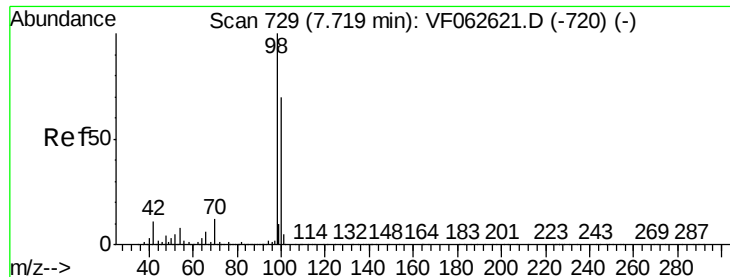


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 31.446 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

Instrument :

MSVOA_F

ClientSampleId :

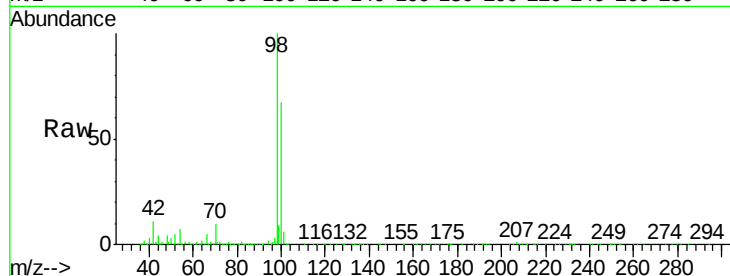
SUP-2A-G-10-052019RE

Tot Ion: 98 Resp: 633680

Ion Ratio Lower Upper

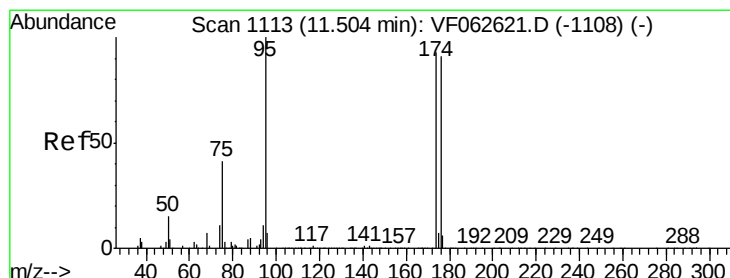
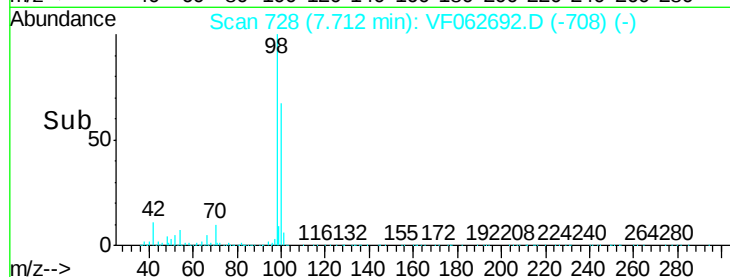
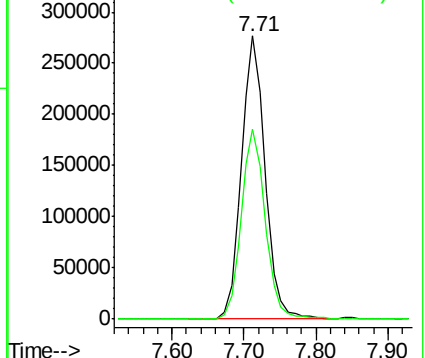
98 100

100 67.0 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#62

4-Bromofluorobenzene

Concen: 30.523 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062692.D

Acq: 21 May 2019 19:31

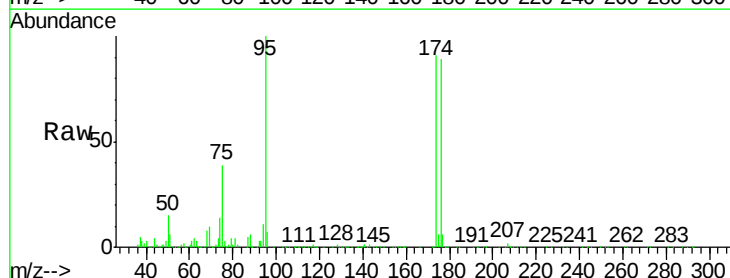
Tgt Ion: 95 Resp: 233285

Ion Ratio Lower Upper

95 100

174 91.0 0.0 185.6

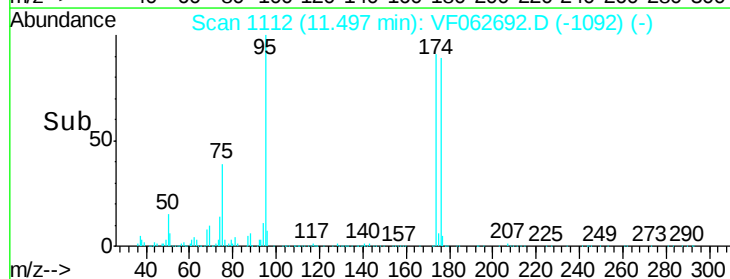
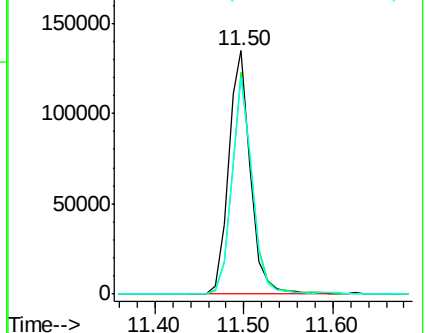
176 88.8 0.0 182.4

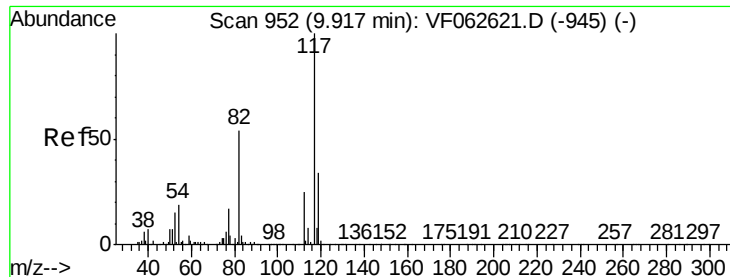


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

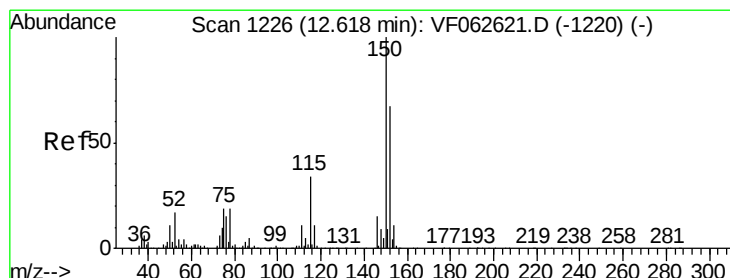
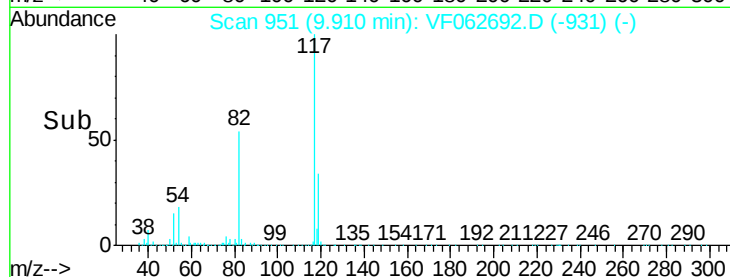
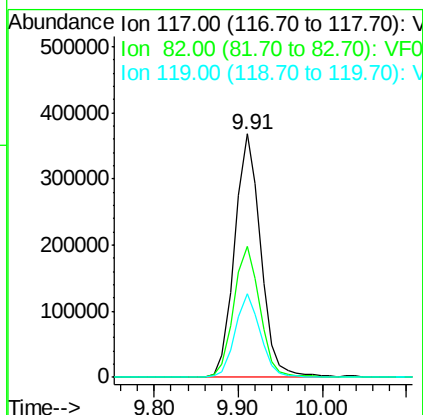
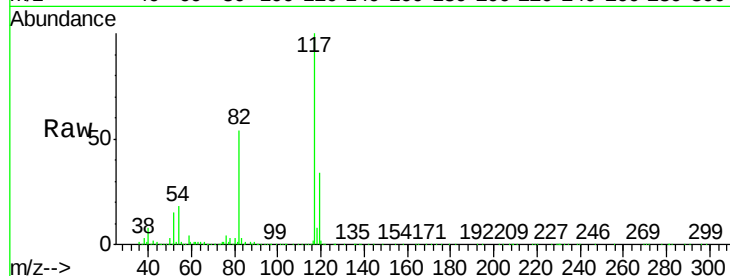




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Instrument :
MSVOA_F
ClientSampleId :
SUP-2A-G-10-052019RE

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	34.2	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062692.D
Acq: 21 May 2019 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.3	25.2	75.6
150	149.6	0.0	306.2

