

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062723.D
 Acq On : 23 May 2019 13:33
 Operator : FY/SY
 Sample : K2647-11
 Misc : 6.25g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-052219-A

Quant Time: May 24 02:30:42 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

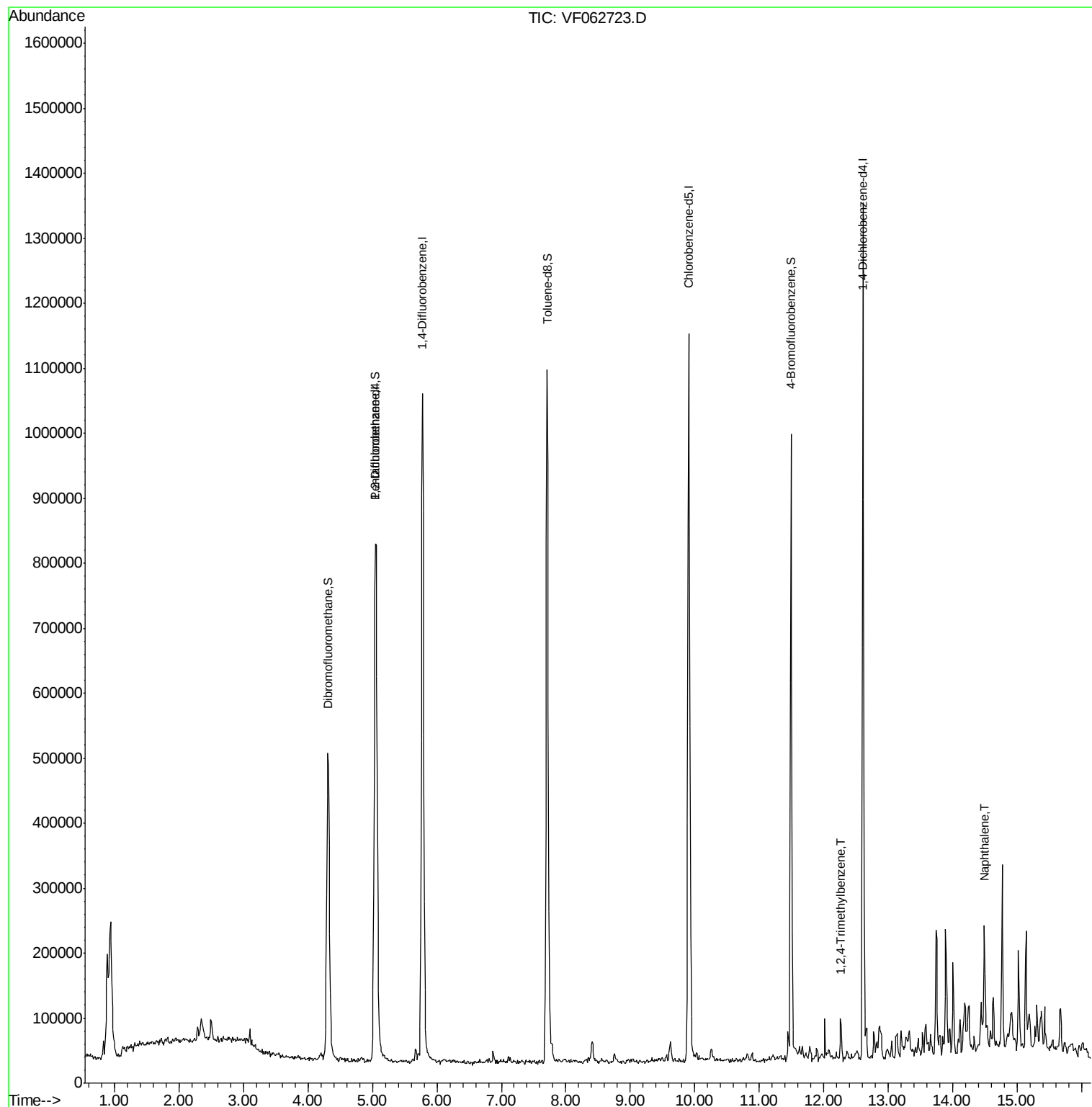
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	734186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1271653	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	897891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	336681	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	268334	51.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.44%	
35) Dibromofluoromethane	4.31	113	483672	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
50) Toluene-d8	7.71	98	953495	41.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.08%	
62) 4-Bromofluorobenzene	11.49	95	337094	38.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.52%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	12.26	105	32960	1.760	ug/l	94
95) Naphthalene	14.49	128	57238	4.550	ug/l #	94

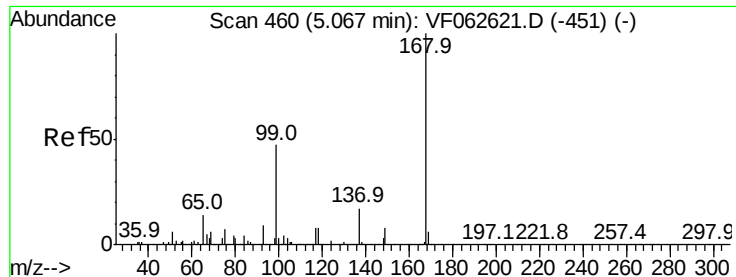
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF062723.D

Acq: 23 May 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

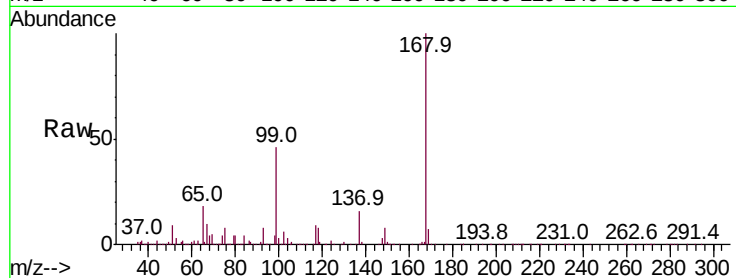
SU-03-052219-A

Tot Ion:168 Resp: 734186

Ion Ratio Lower Upper

168 100

99 46.1 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

250000

200000

150000

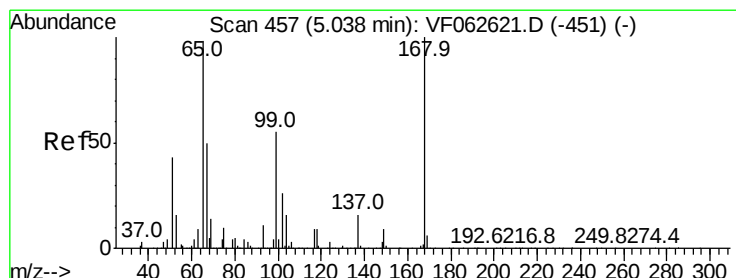
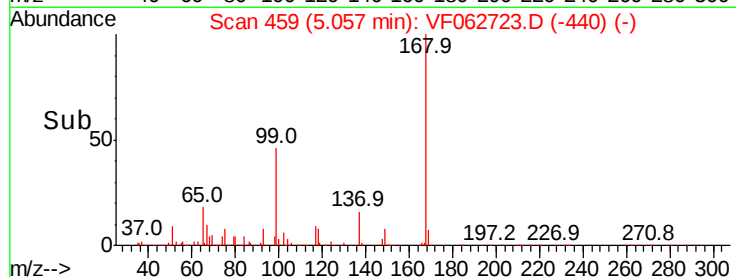
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.721 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062723.D

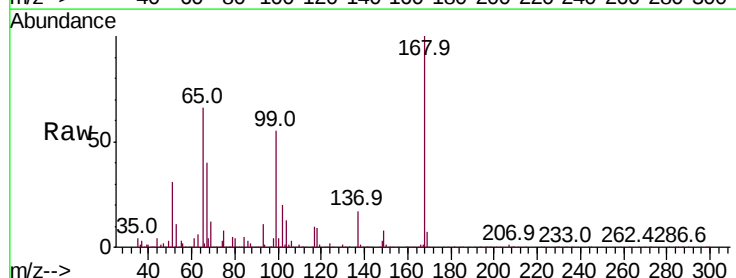
Acq: 23 May 2019 13:33

Tgt Ion: 65 Resp: 268334

Ion Ratio Lower Upper

65 100

67 60.4 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

100000

80000

60000

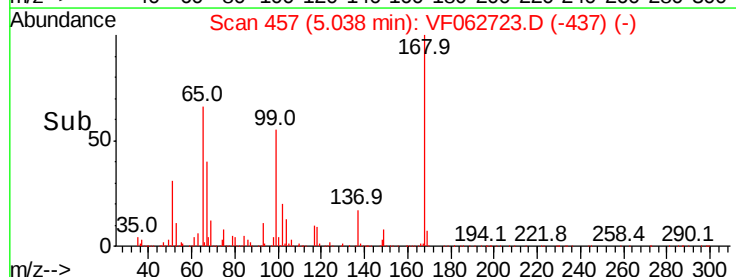
40000

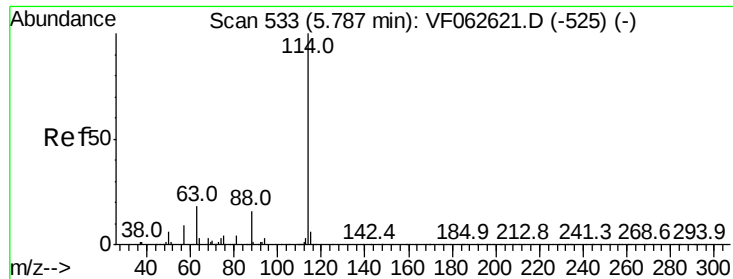
20000

0

4.90 5.00 5.10 5.20

Time-->

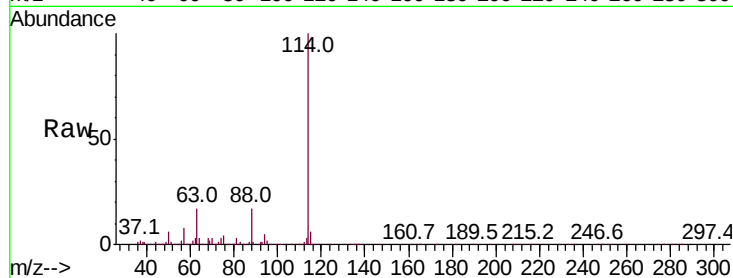




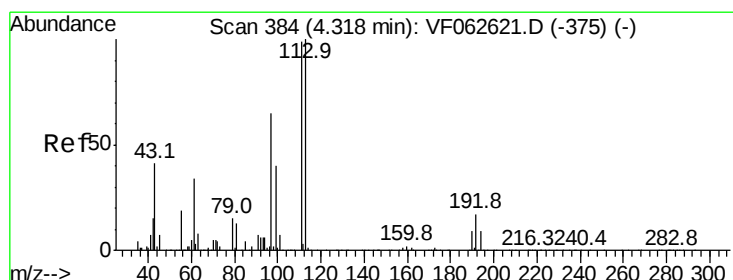
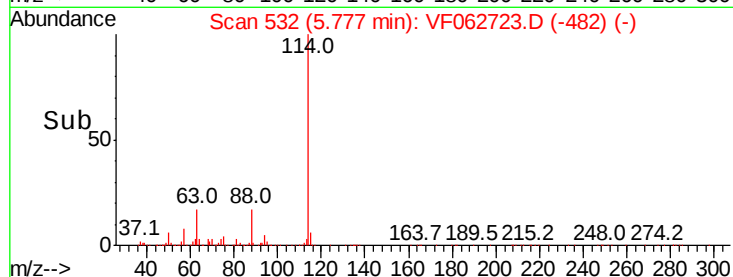
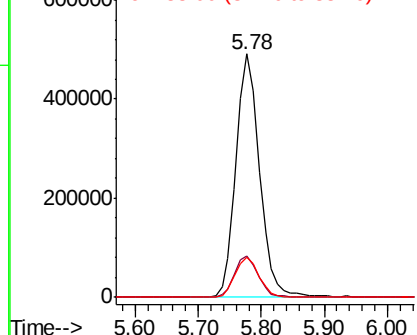
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.78 min Scan# 532
Delta R.T. -0.01 min
Lab File: VF062723.D
Acq: 23 May 2019 13:33

Instrument :
MSVOA_F
ClientSampleId :
SU-03-052219-A

Tot Ion:114 Resp: 1271653
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.4
88 16.6 0.0 32.4

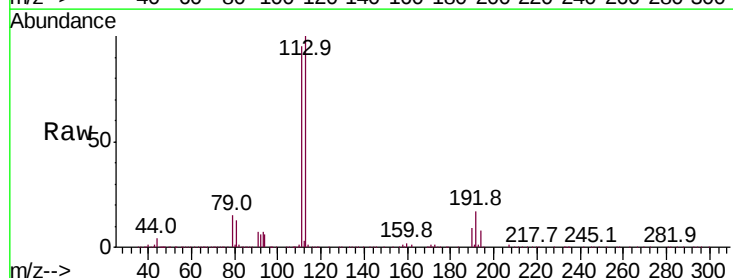


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

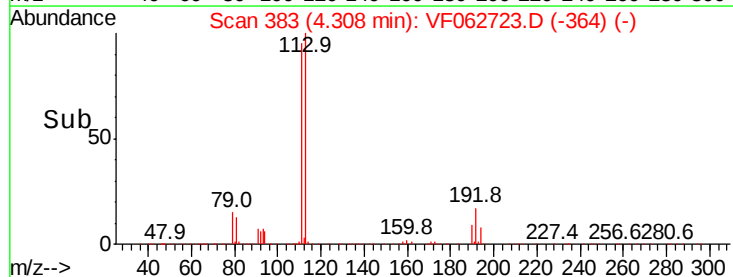
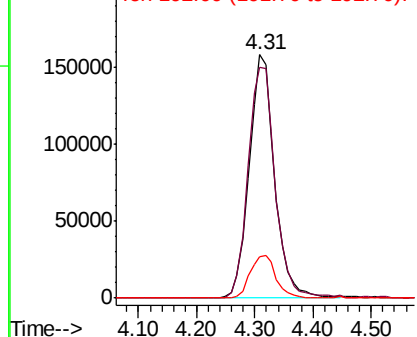


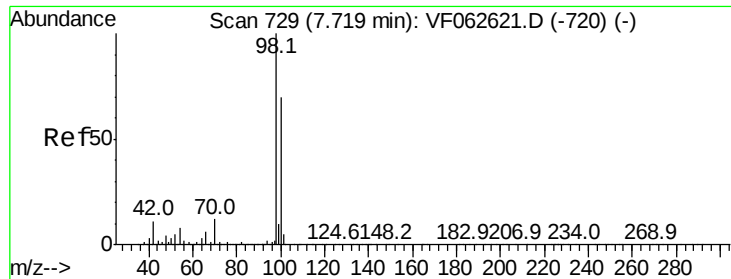
#35
Dibromofluoromethane
Concen: 49.706 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.01 min
Lab File: VF062723.D
Acq: 23 May 2019 13:33

Tgt Ion:113 Resp: 483672
Ion Ratio Lower Upper
113 100
111 94.6 79.4 119.2
192 16.9 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

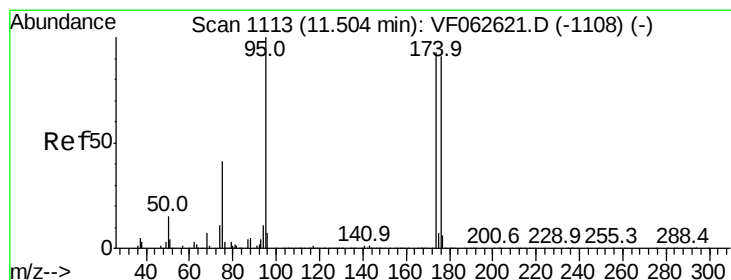
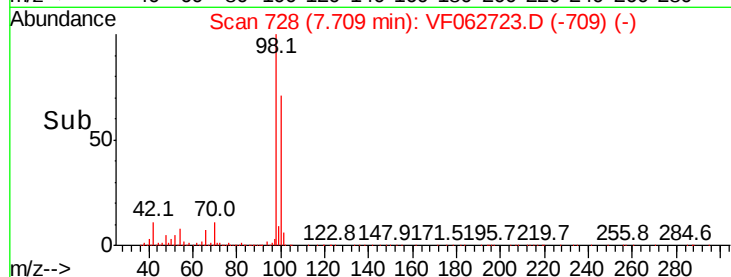
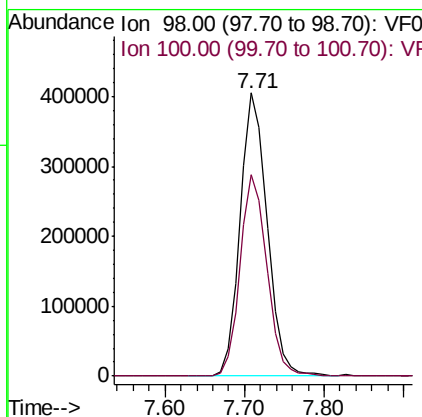
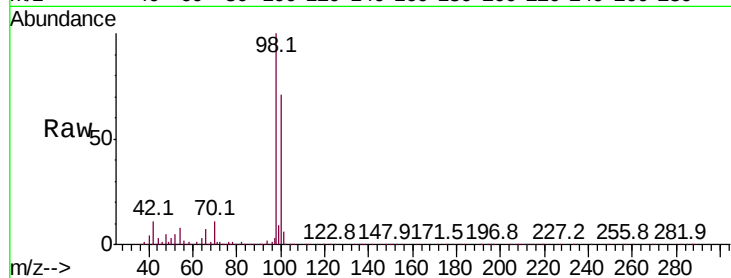




#50
Toluene-d8
Concen: 41.040 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF062723.D
Acq: 23 May 2019 13:33

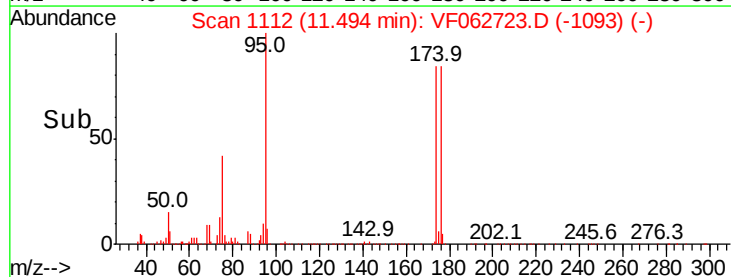
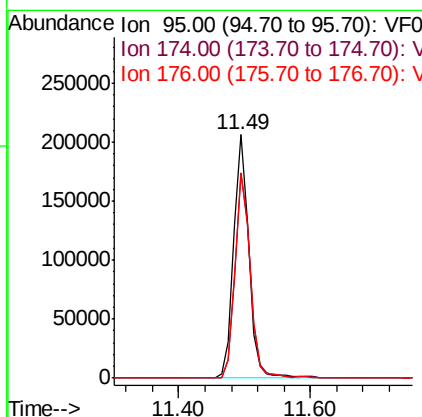
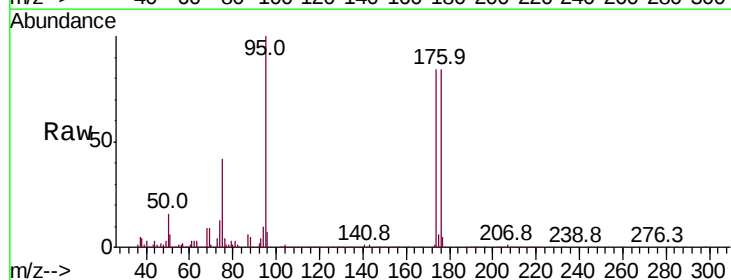
Instrument :
MSVOA_F
ClientSampleId :
SU-03-052219-A

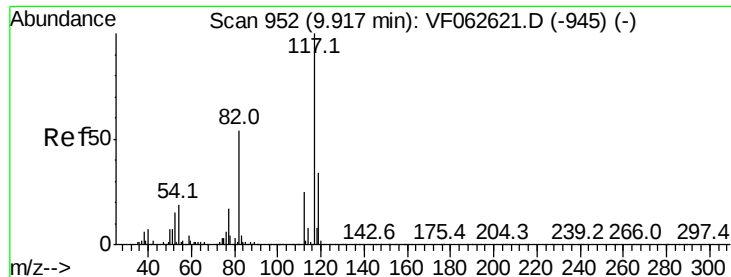
Tot Ion: 98 Resp: 953495
Ion Ratio Lower Upper
98 100
100 71.1 56.2 84.2



#62
4-Bromofluorobenzene
Concen: 38.256 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF062723.D
Acq: 23 May 2019 13:33

Tgt Ion: 95 Resp: 337094
Ion Ratio Lower Upper
95 100
174 84.3 0.0 185.6
176 84.5 0.0 182.4

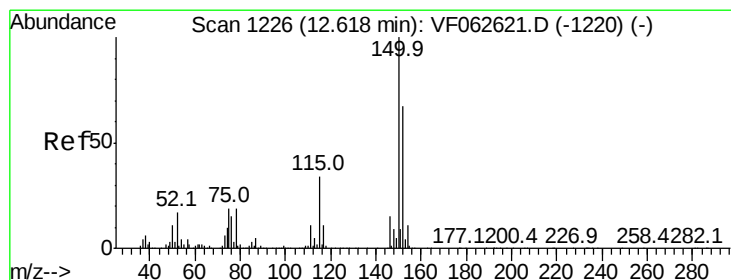
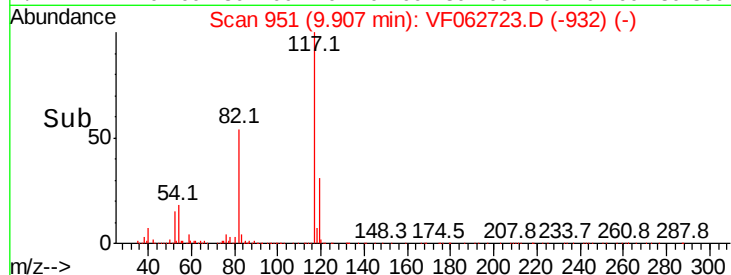
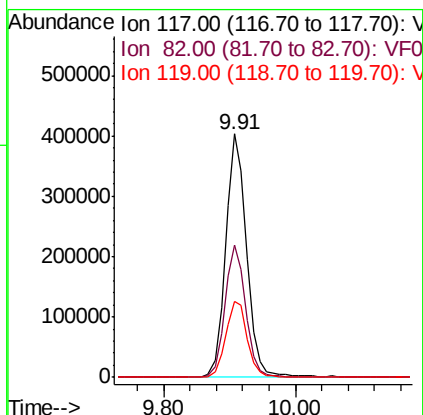
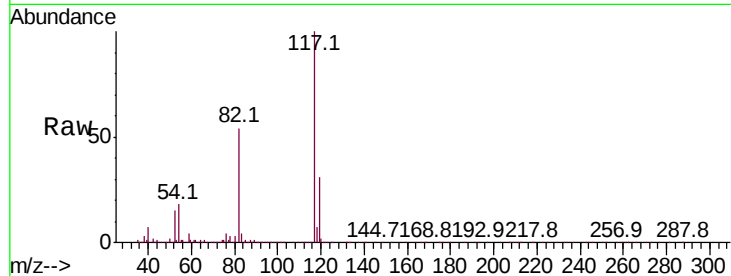




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062723.D
Acq: 23 May 2019 13:33

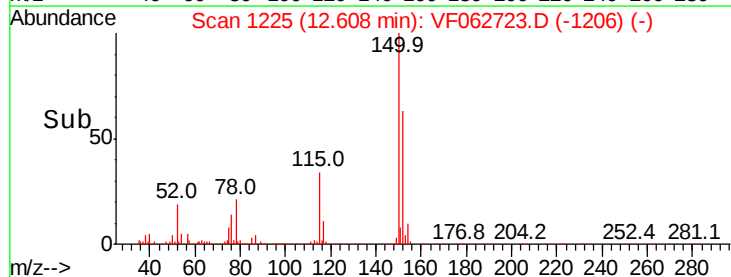
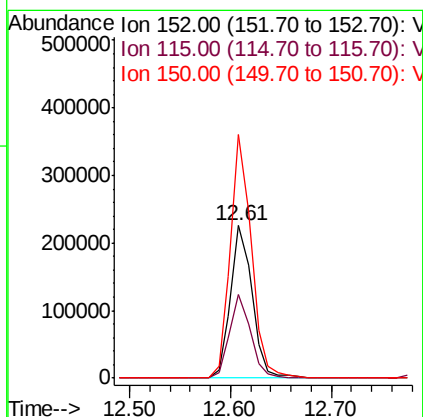
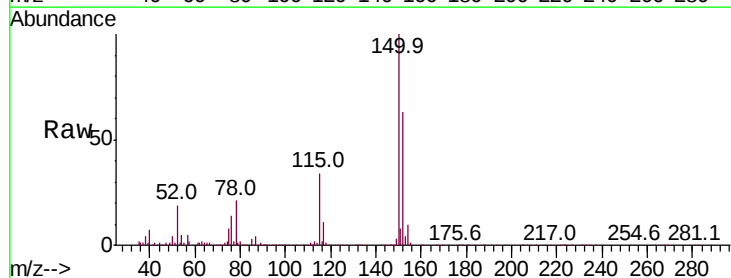
Instrument :
MSVOA_F
ClientSampleId :
SU-03-052219-A

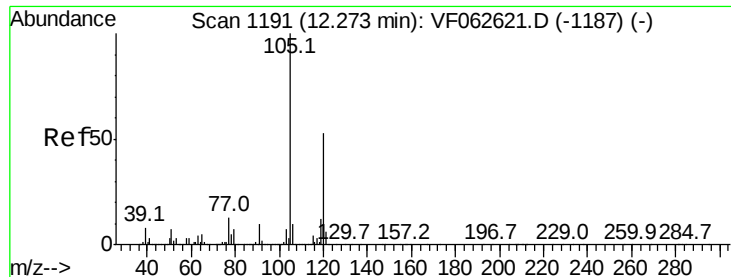
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.3	64.9
119	31.1	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062723.D
Acq: 23 May 2019 13:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	25.2	75.6
150	159.9	0.0	306.2





#84

1,2,4-Trimethylbenzene

Concen: 1.760 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062723.D

Acq: 23 May 2019 13:33

Instrument :

MSVOA_F

ClientSampleId :

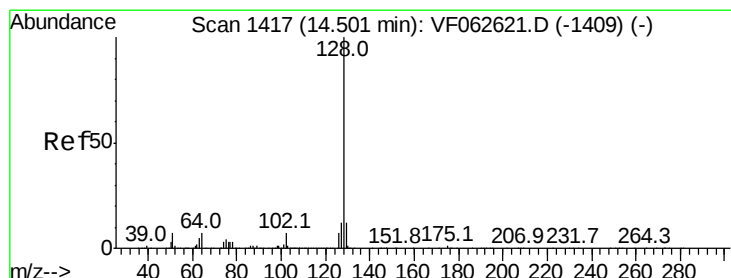
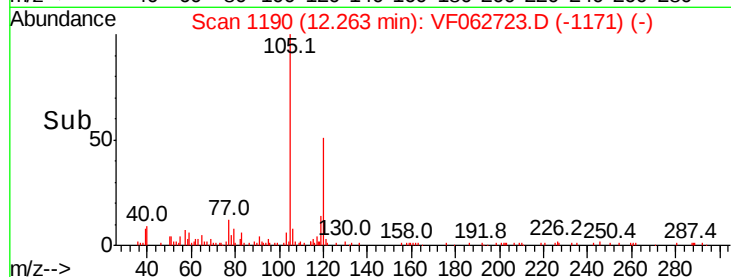
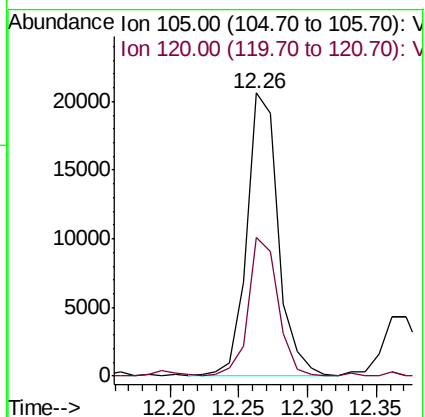
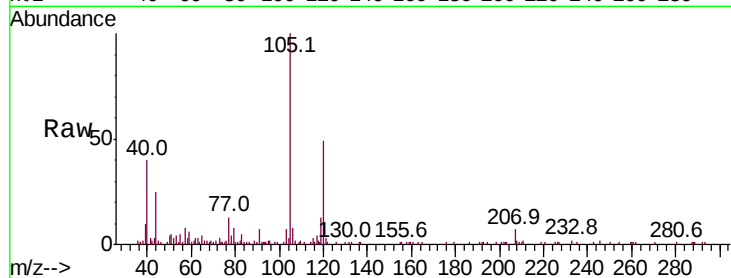
SU-03-052219-A

Tot Ion:105 Resp: 32960

Ion Ratio Lower Upper

105 100

120 49.1 26.7 80.1



#95

Naphthalene

Concen: 4.550 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062723.D

Acq: 23 May 2019 13:33

Tgt Ion:128 Resp: 57238

Ion Ratio Lower Upper

128 100

127 12.0 9.7 14.5

129 16.2 9.3 13.9#

