

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050819\
 Data File : VF062380.D
 Acq On : 8 May 2019 16:36
 Operator : FY/SY
 Sample : K2673-11RE
 Misc : 5.08g/5mL/MSVOA F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-16-2.0-2.5RE

Quant Time: May 09 05:22:20 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

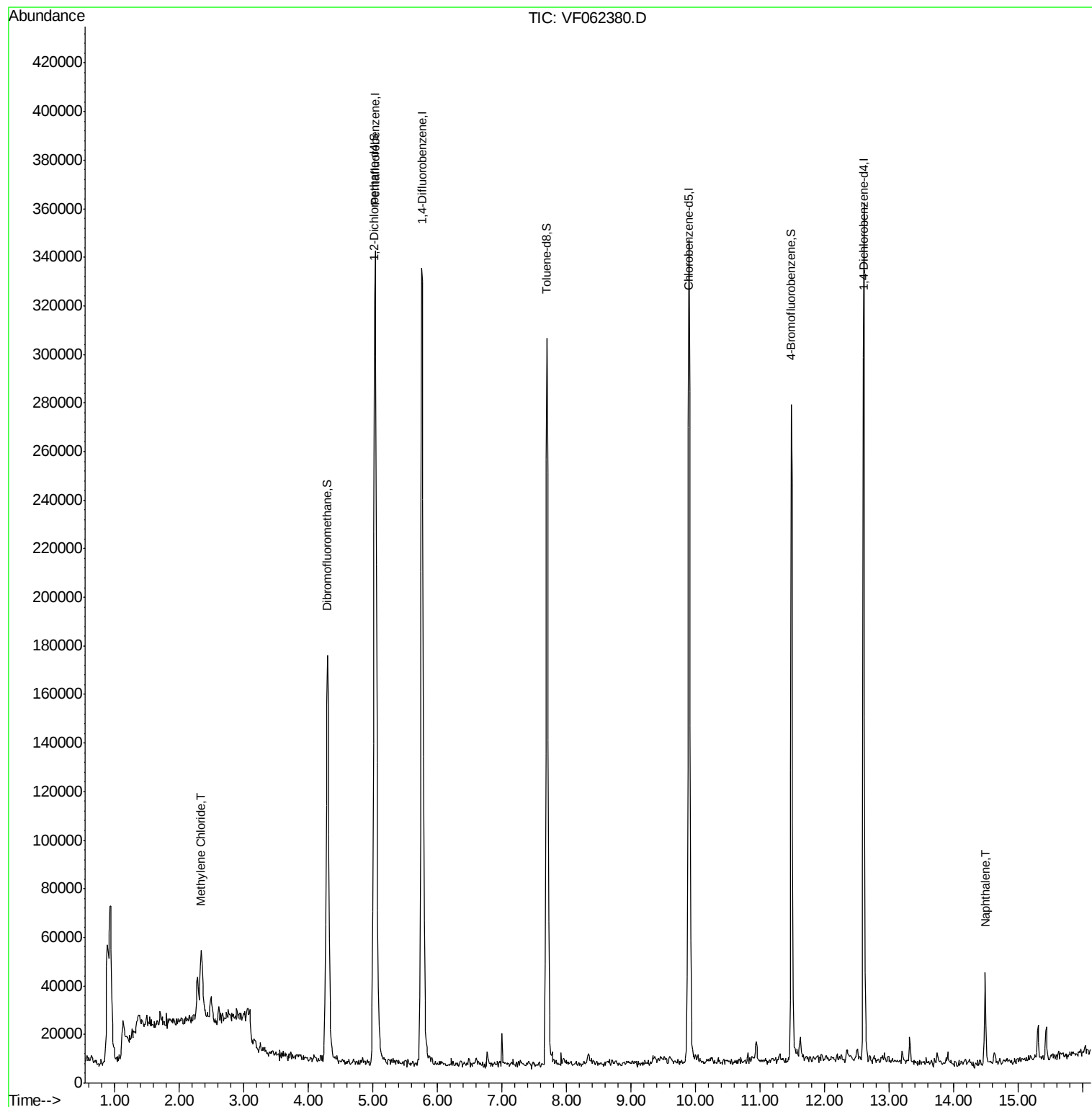
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	267911	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	363612	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	245924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	94895	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	125639	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
35) Dibromofluoromethane	4.29	113	150378	51.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.82%	
50) Toluene-d8	7.70	98	255443	36.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	72.86%	
62) 4-Bromofluorobenzene	11.48	95	91217	28.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	57.66%	
Target Compounds						
20) Methylene Chloride	2.33	84	24762m	13.363	ug/l	Qvalue
95) Naphthalene	14.49	128	23366	6.639	ug/l	96

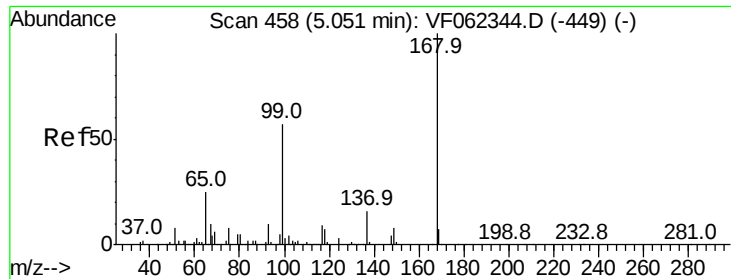
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF062380.D

Acq: 8 May 2019 16:36

Instrument :

MSVOA_F

ClientSampleId :

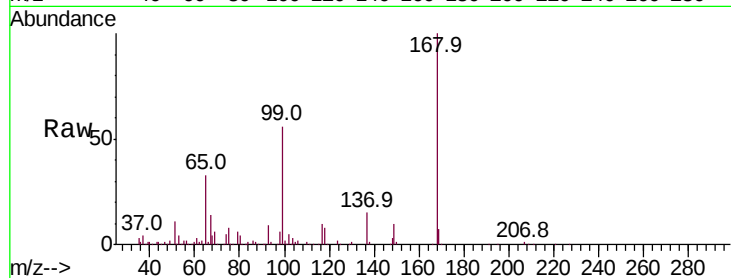
SB-16-2.0-2.5RE

Tot Ion:168 Resp: 267911

Ion Ratio Lower Upper

168 100

99 56.2 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.03

100000

80000

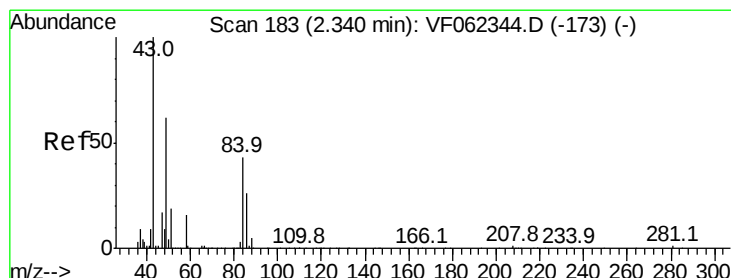
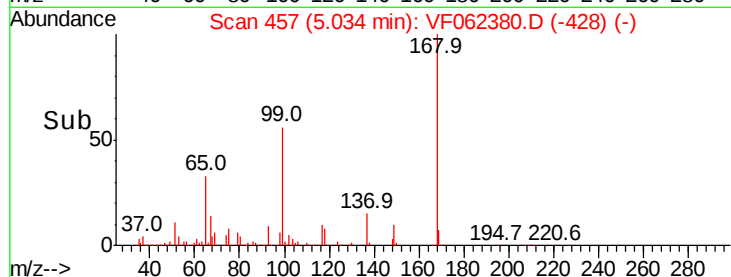
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 13.363 ug/l m

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF062380.D

Acq: 8 May 2019 16:36

Tgt Ion: 84 Resp: 24762

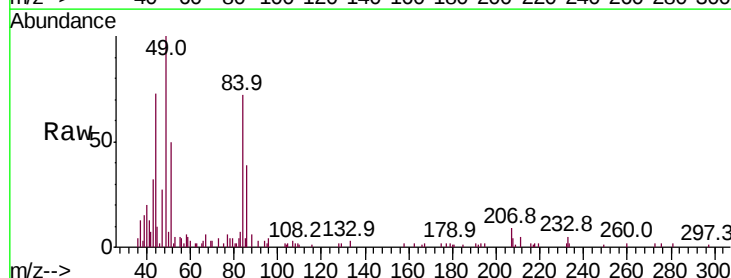
Ion Ratio Lower Upper

84 100

49 139.3 117.5 176.3

51 70.3 37.0 55.4#

86 53.7 49.3 73.9



Abundance Ion 83.90 (83.60 to 84.60): VF0

Ion 48.90 (48.60 to 49.60): VF0

Ion 50.90 (50.60 to 51.60): VF0

Ion 85.90 (85.60 to 86.60): VF0

12000

10000

8000

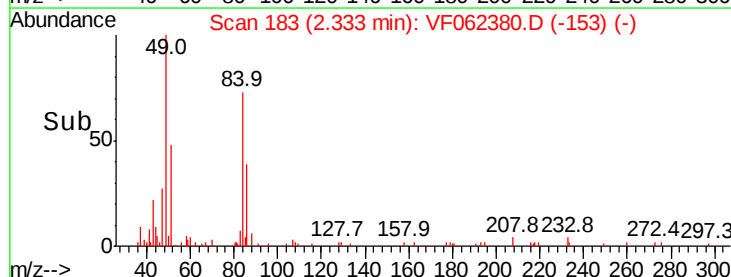
6000

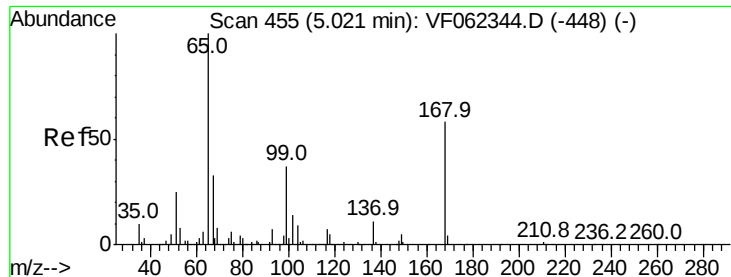
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 49.623 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

Lab File: VF062380.D

Acq: 8 May 2019 16:36

Instrument :

MSVOA_F

ClientSampleId :

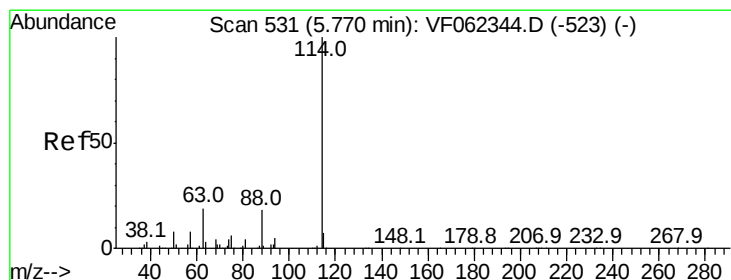
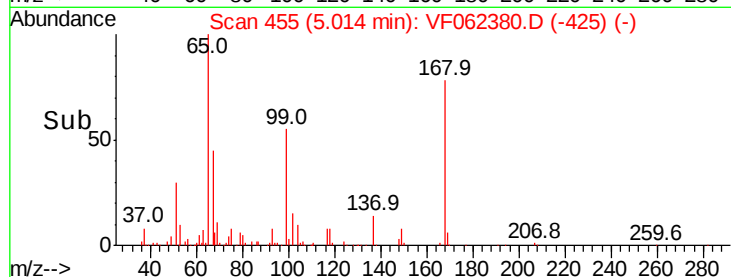
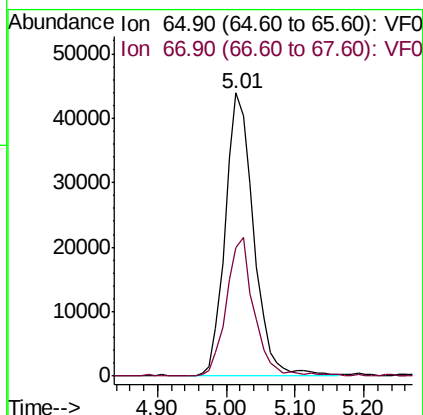
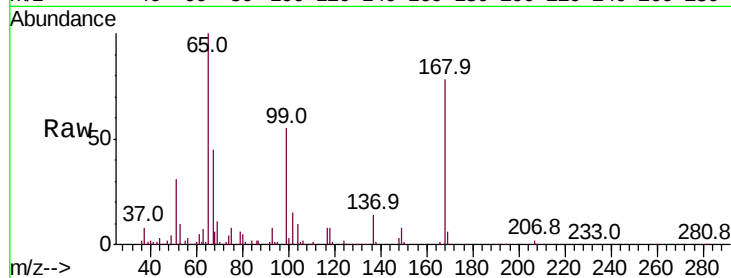
SB-16-2.0-2.5RE

Tot Ion: 65 Resp: 125639

Ion Ratio Lower Upper

65 100

67 47.3 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF062380.D

Acq: 8 May 2019 16:36

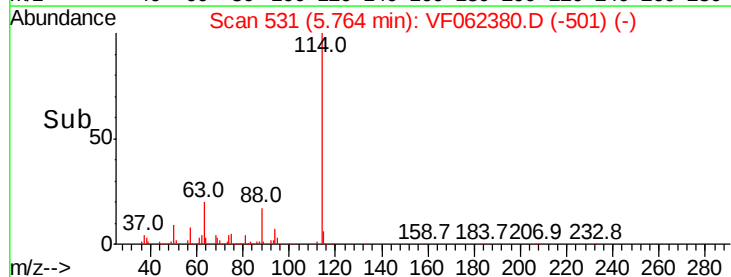
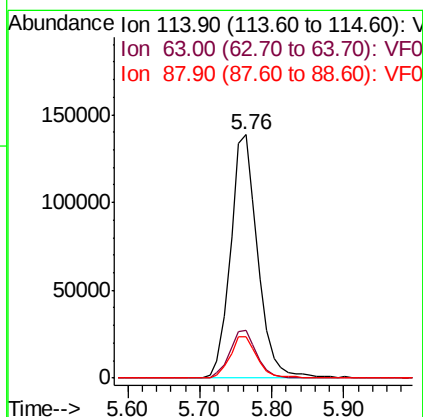
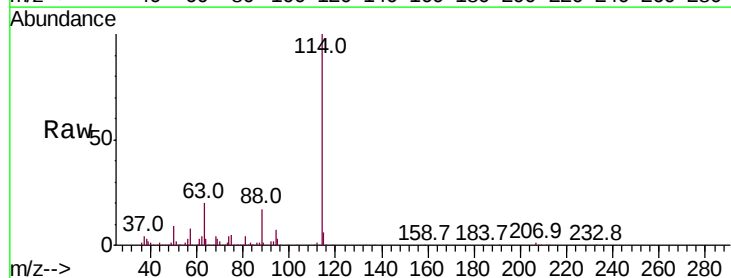
Tgt Ion: 114 Resp: 363612

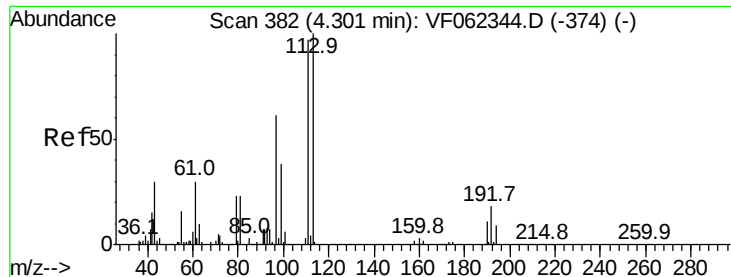
Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 16.9 0.0 36.4

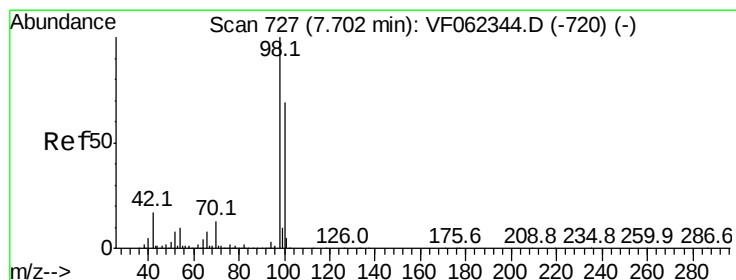
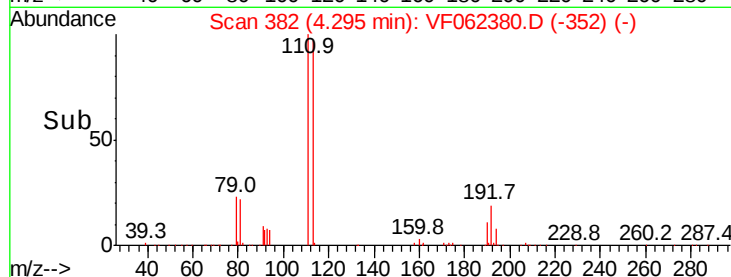
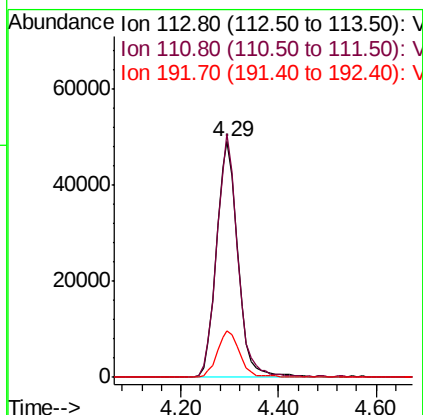
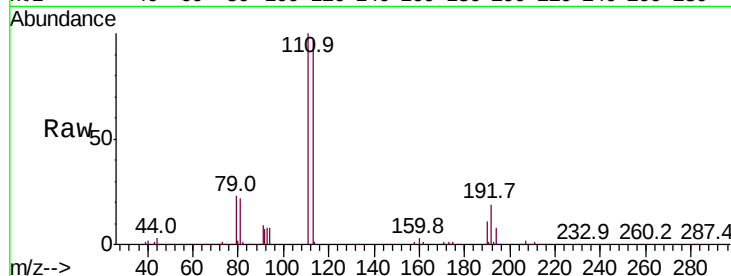




#35
 Dibromofluoromethane
 Concen: 51.911 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VF062380.D
 Acq: 8 May 2019 16:36

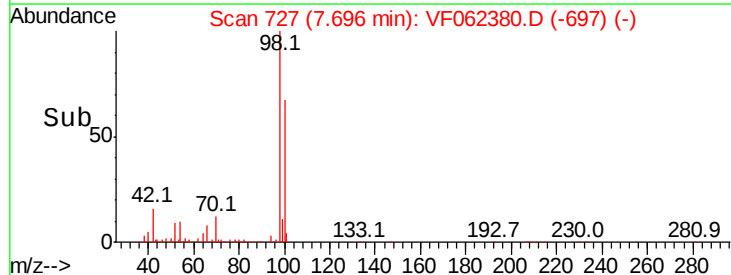
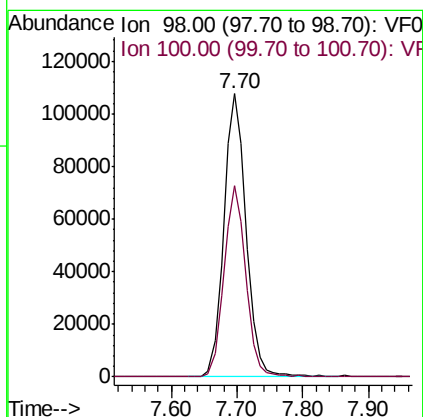
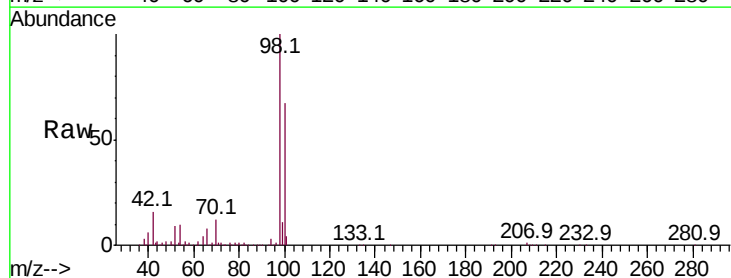
Instrument :
 MSVOA_F
 ClientSampleId :
 SB-16-2.0-2.5RE

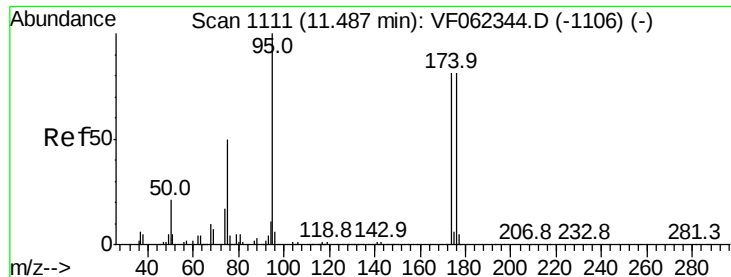
Tot Ion:113 Resp: 150378
 Ion Ratio Lower Upper
 113 100
 111 100.8 79.4 119.0
 192 20.4 16.0 24.0



#50
 Toluene-d8
 Concen: 36.428 ug/l
 RT: 7.70 min Scan# 727
 Delta R.T. -0.01 min
 Lab File: VF062380.D
 Acq: 8 May 2019 16:36

Tgt Ion: 98 Resp: 255443
 Ion Ratio Lower Upper
 98 100
 100 66.1 53.3 79.9

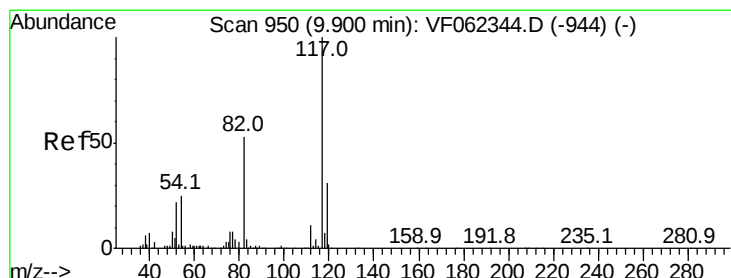
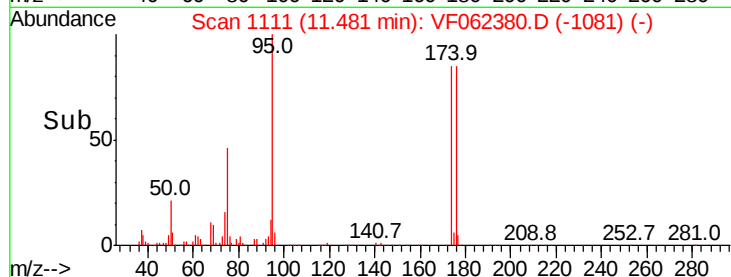
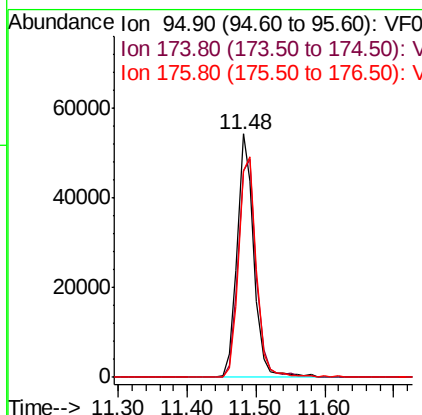
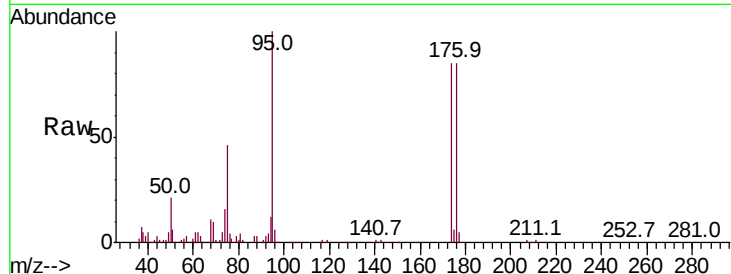




#62
4-Bromofluorobenzene
Concen: 28.833 ug/l
RT: 11.48 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VF062380.D
Acq: 8 May 2019 16:36

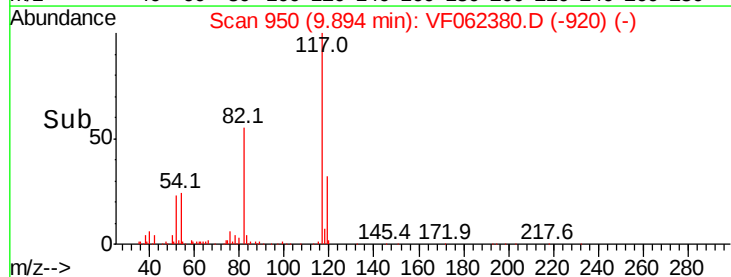
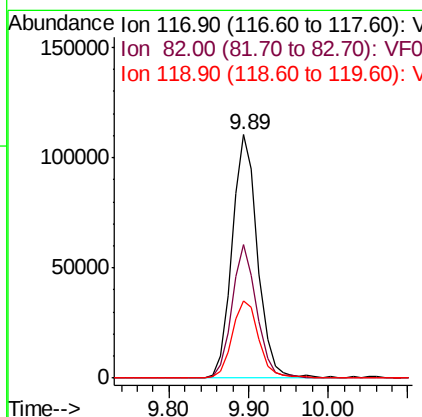
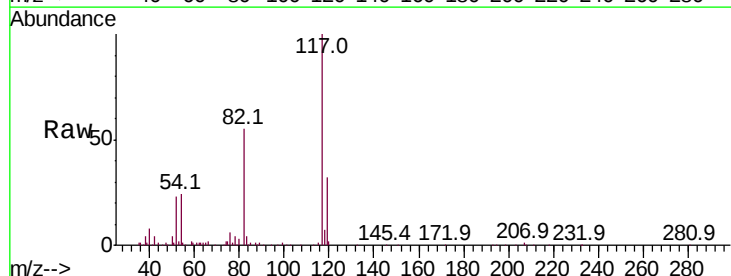
Instrument :
MSVOA_F
ClientSampleId :
SB-16-2.0-2.5RE

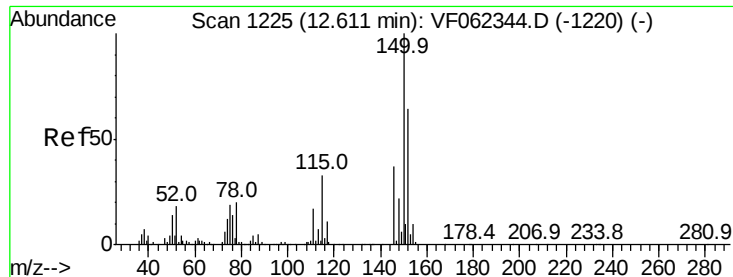
Tot Ion	95	Resp	91217
Ion Ratio	Lower	Upper	
95	100		
174	97.6	0.0	191.8
176	96.2	0.0	193.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF062380.D
Acq: 8 May 2019 16:36

Tgt Ion	117	Resp	245924
Ion Ratio	Lower	Upper	
117	100		
82	54.9	42.2	63.2
119	31.6	25.0	37.4



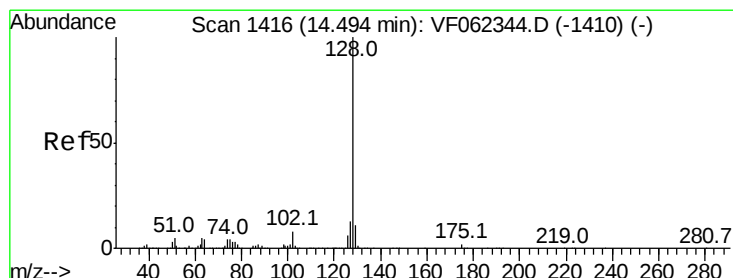
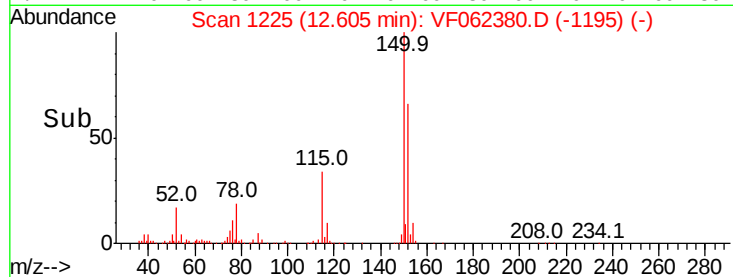
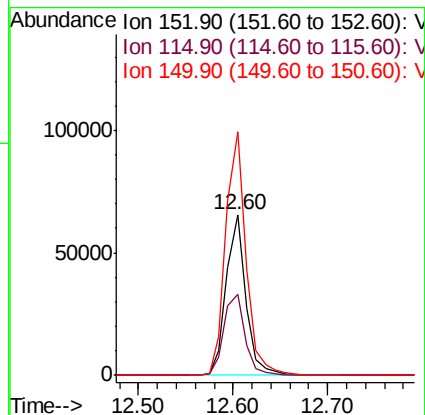
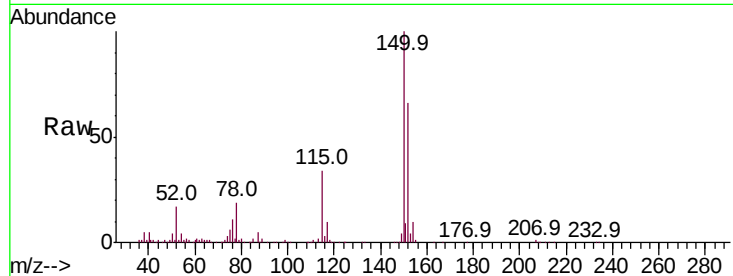


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062380.D
Acq: 8 May 2019 16:36

Instrument :
MSVOA_F
ClientSampleId :
SB-16-2.0-2.5RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	26.4	79.2
150	155.4	0.0	335.0



#95

Naphthalene
Concen: 6.639 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062380.D
Acq: 8 May 2019 16:36

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	12.7	8.6	12.8

