

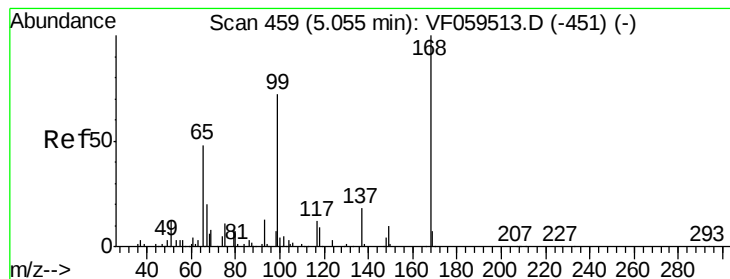
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072018\
 Data File : VF059594.D
 Acq On : 20 Jul 2018 21:27
 Operator : VA/AP
 Sample : J4016-19
 Misc : 8.11g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB5-U-13

Quant Time: Jul 21 00:24:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	208296	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	309944	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	306829	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	164017	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	153377	47.35	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.70%	
35) Dibromofluoromethane	4.29	113	138760	51.69	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	7.71	98	314090	46.45	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.51	95	144021	40.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.20%	
Target Compounds						
20) Methylene Chloride	2.27	84	11340	3.50	ug/l	# 85
95) Naphthalene	14.52	128	609168	101.39	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Instrument :

MSVOA_F

ClientSampleId :

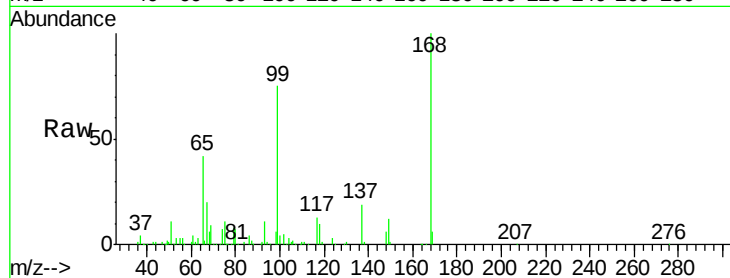
SB5-U-13

Tot Ion:168 Resp: 208296

Ion Ratio Lower Upper

168 100

99 75.4 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

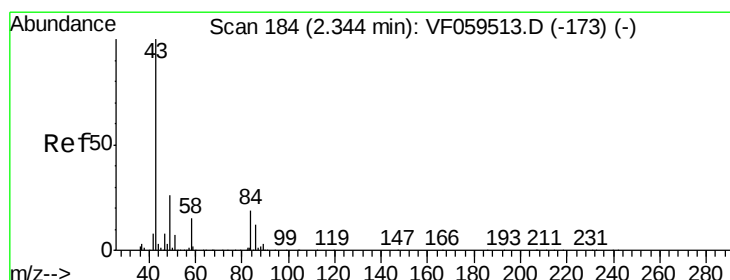
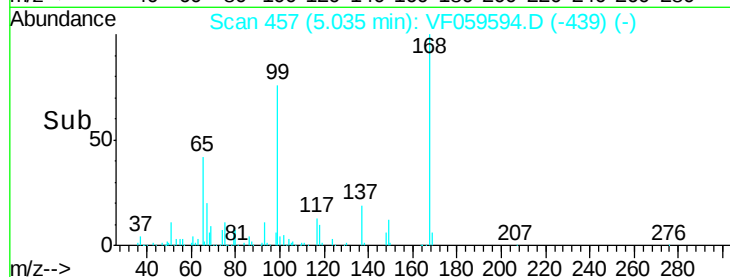
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#20

Methylene Chloride

Concen: 3.50 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.07 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Tgt Ion: 84 Resp: 11340

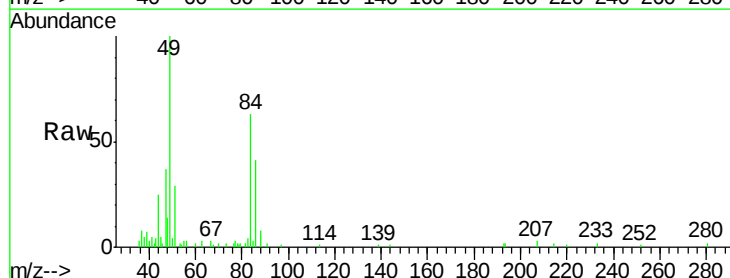
Ion Ratio Lower Upper

84 100

49 159.6 109.4 164.2

51 46.2 30.5 45.7#

86 64.7 47.6 71.4



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

10000

8000

6000

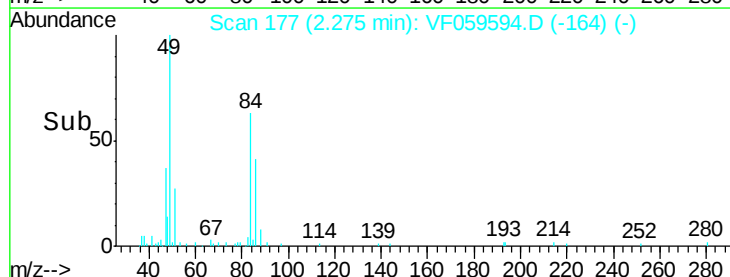
4000

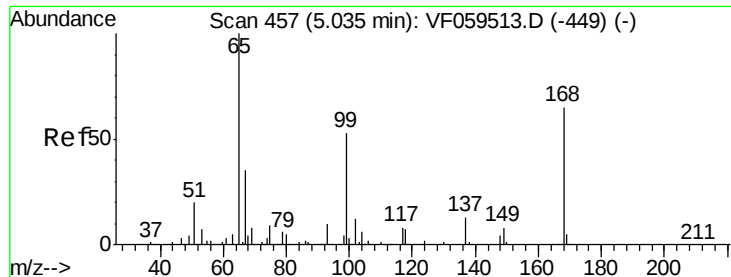
2000

0

Time-->

2.10 2.20 2.30 2.40

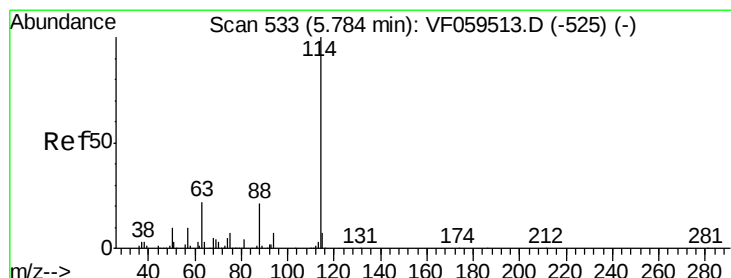
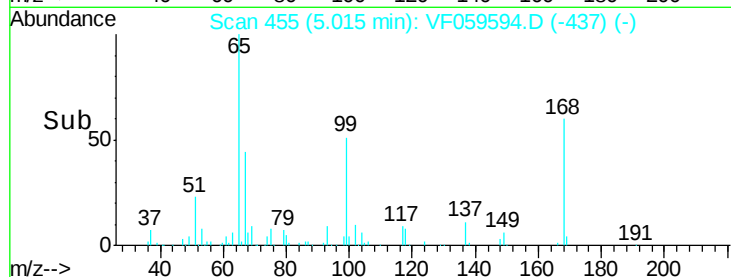
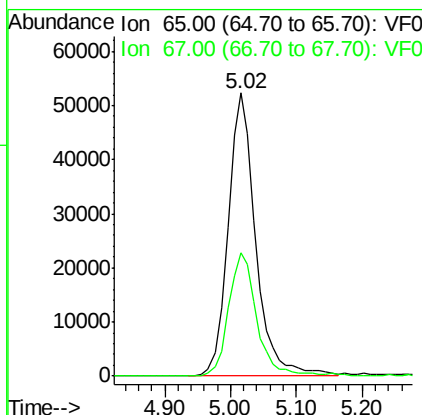
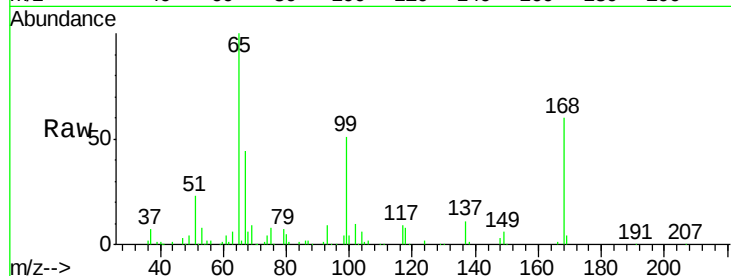




#33
 1,2-Dichloroethane-d4
 Concen: 47.35 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF059594.D
 Acq: 20 Jul 2018 21:27

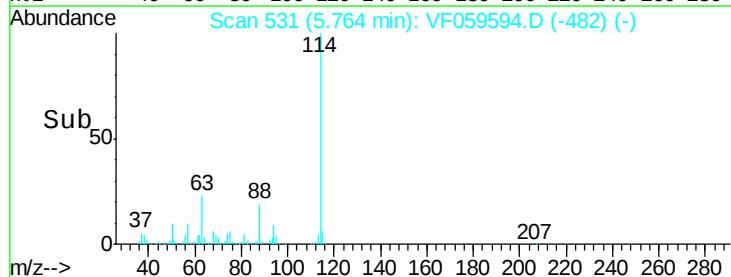
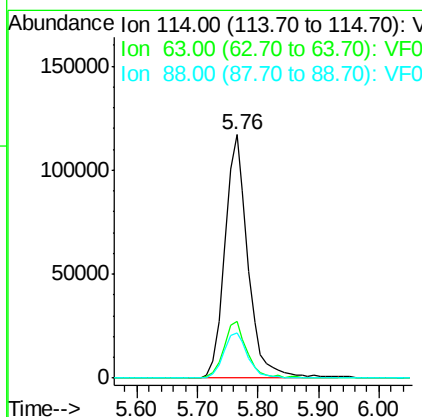
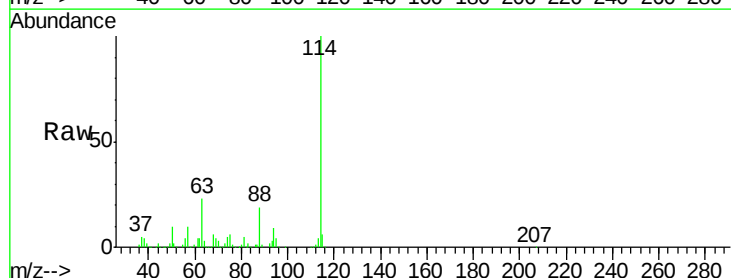
Instrument :
 MSVOA_F
 ClientSampleId :
 SB5-U-13

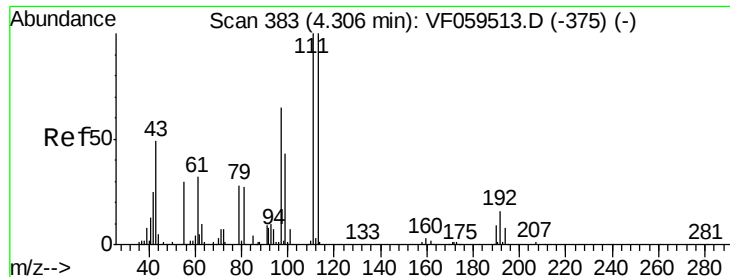
Tot Ion: 65 Resp: 153377
 Ion Ratio Lower Upper
 65 100
 67 43.6 0.0 91.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VF059594.D
 Acq: 20 Jul 2018 21:27

Tgt Ion: 114 Resp: 309944
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 44.8
 88 18.5 0.0 42.6





#35

Dibromofluoromethane

Concen: 51.69 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059594.D

Acq: 20 Jul 2018 21:27

Instrument :

MSVOA_F

ClientSampleId :

SB5-U-13

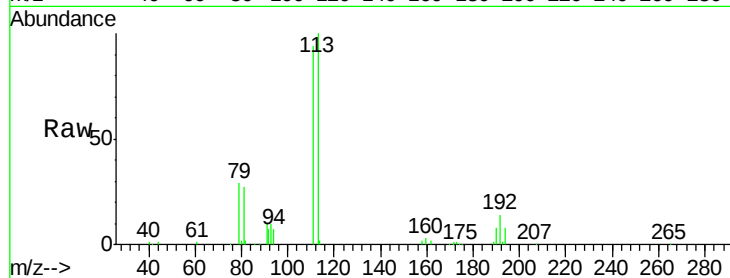
Tot Ion:113 Resp: 138760

Ion Ratio Lower Upper

113 100

111 93.8 80.3 120.5

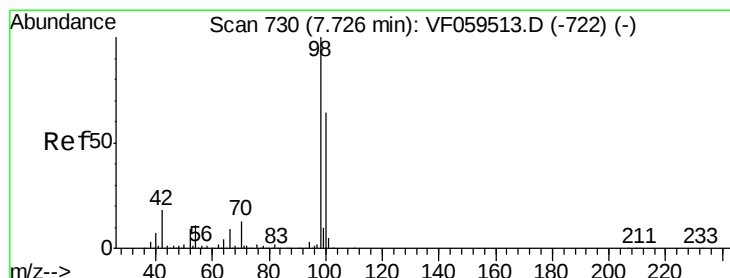
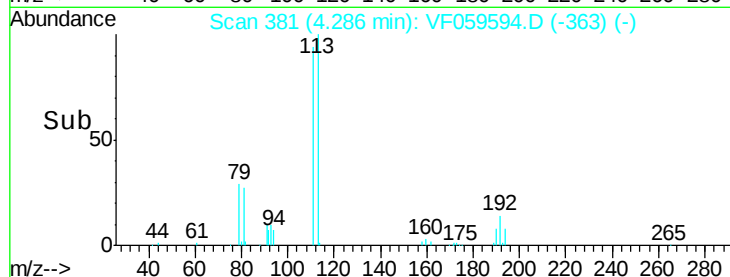
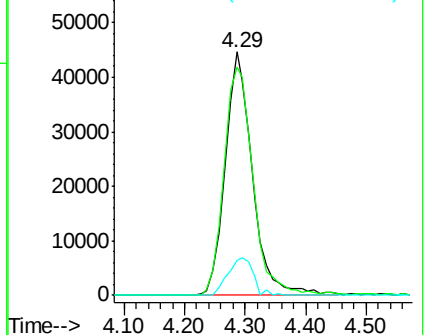
192 14.3 13.1 19.7



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: 46.45 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF059594.D

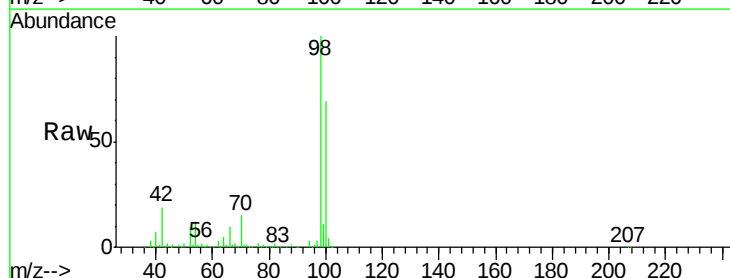
Acq: 20 Jul 2018 21:27

Tgt Ion: 98 Resp: 314090

Ion Ratio Lower Upper

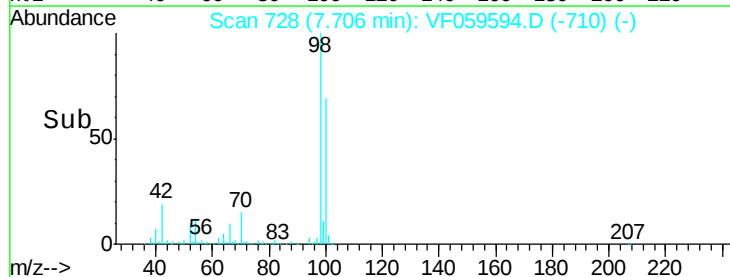
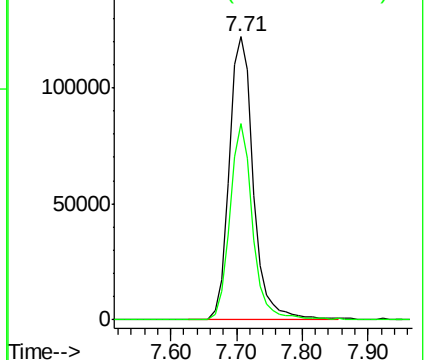
98 100

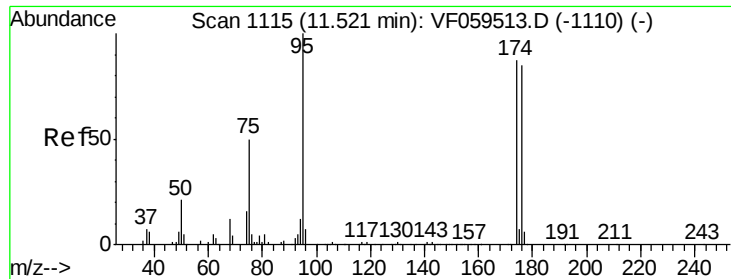
100 69.2 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

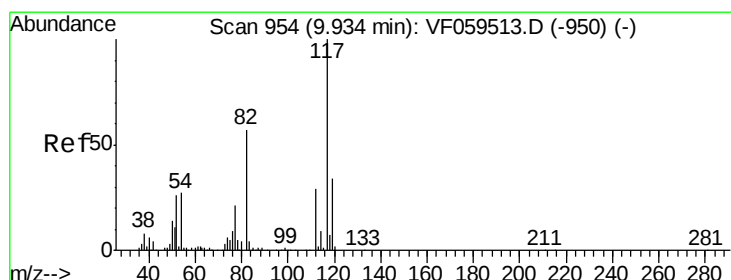
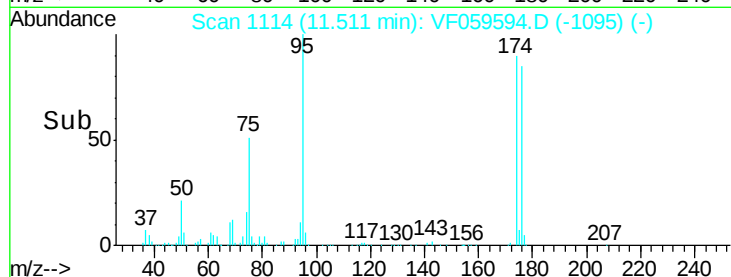
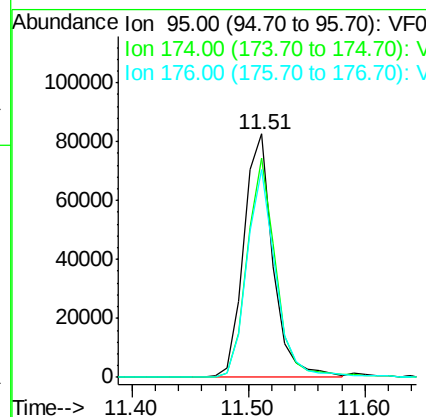
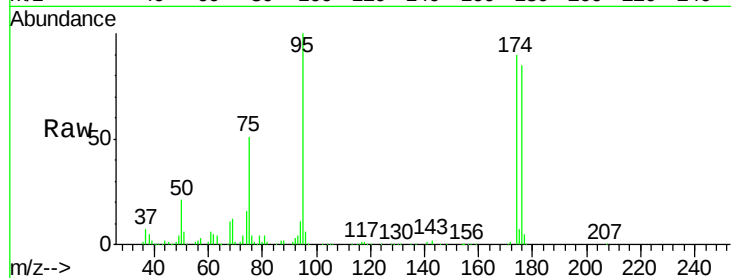




#62
4-Bromofluorobenzene
Concen: 40.60 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

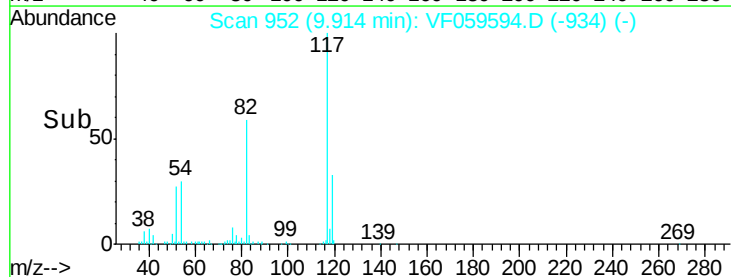
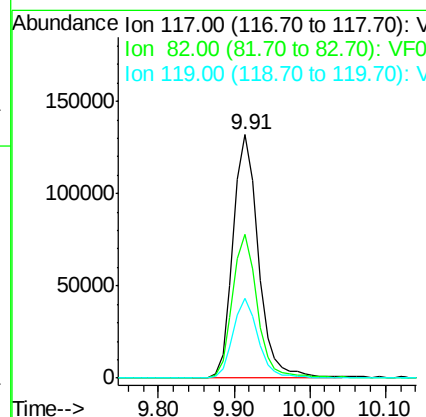
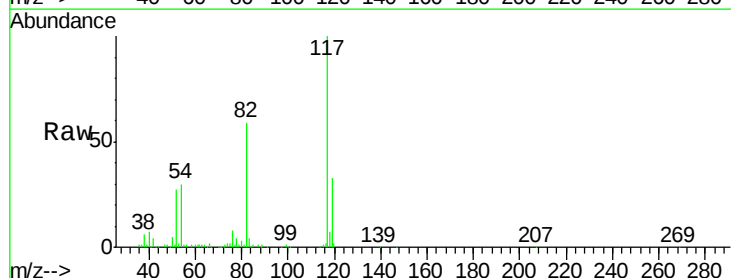
Instrument :
MSVOA_F
ClientSampled :
SB5-U-13

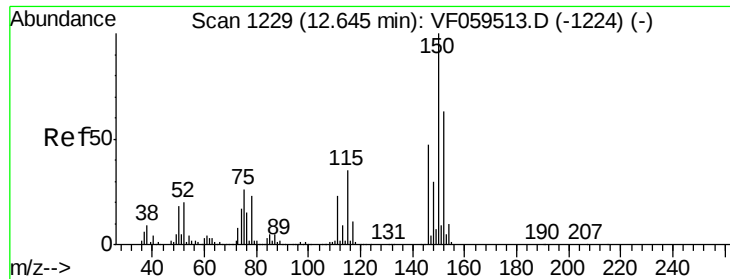
Tot Ion: 95 Resp: 144021
Ion Ratio Lower Upper
95 100
174 89.8 0.0 174.4
176 85.3 0.0 169.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion: 117 Resp: 306829
Ion Ratio Lower Upper
117 100
82 59.2 46.1 69.1
119 32.9 27.2 40.8



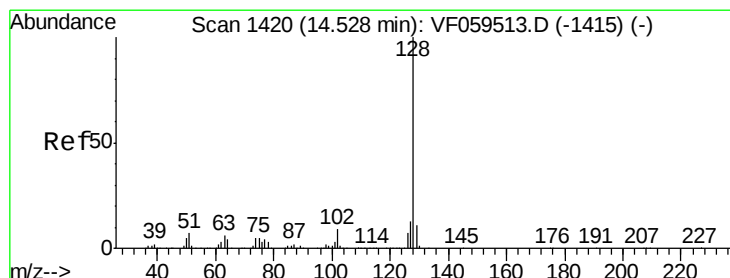
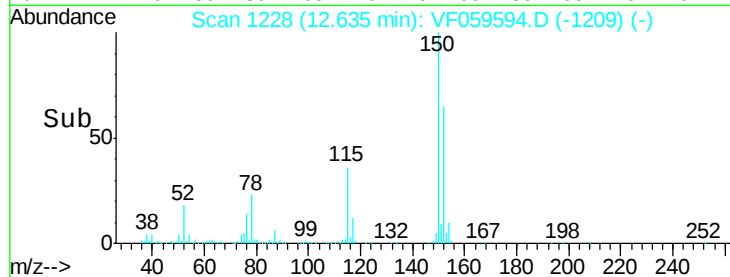
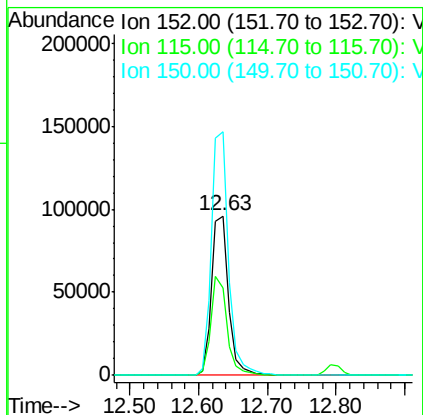
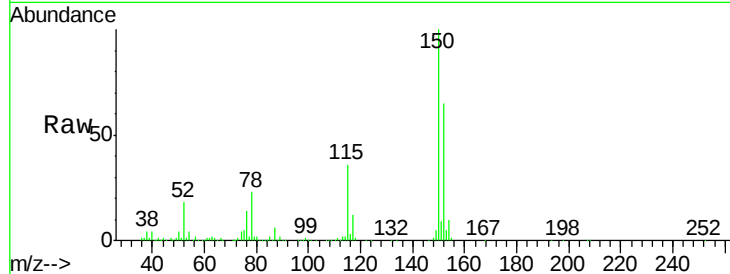


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :
SB5-U-13

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.3
150	152.7	0.0	318.4



#95

Naphthalene
Concen: 101.39 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059594.D
Acq: 20 Jul 2018 21:27

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.0	9.0	13.4

