

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059239.D
 Acq On : 20 Jun 2018 21:27
 Operator : VA/AP
 Sample : J3584-03RE
 Misc : 6.38g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 06:39:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	195208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	299026	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	290379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	191226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	139868	59.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.16%	
35) Dibromofluoromethane	4.29	113	131155	62.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.02%	
50) Toluene-d8	7.70	98	301344	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	11.50	95	170176	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	

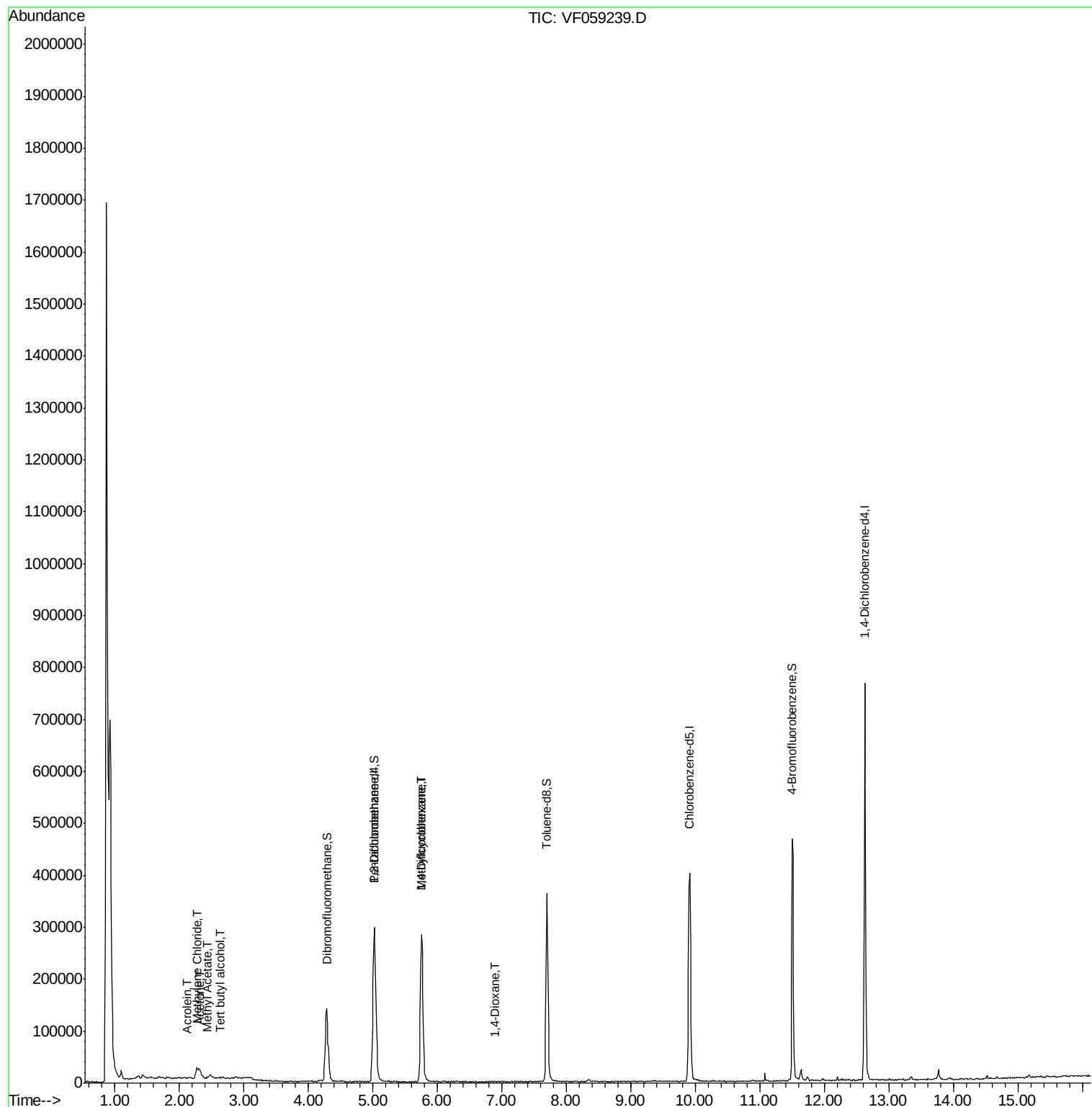
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.64	59	406	2.676	ug/l #	1
13) Acrolein	2.12	56	495	3.770	ug/l	89
16) Acetone	2.32	43	10263	18.156	ug/l	92
18) Methyl Acetate	2.44	43	1594	1.640	ug/l #	66
20) Methylene Chloride	2.27	84	14946	11.043	ug/l #	90
39) Methylcyclohexane	5.76	83	4570	1.547	ug/l #	51
49) 1,4-Dioxane	6.90	88	65	18.458	ug/l #	16
89) n-Butylbenzene	12.91	91	424	Below Cal	#	66

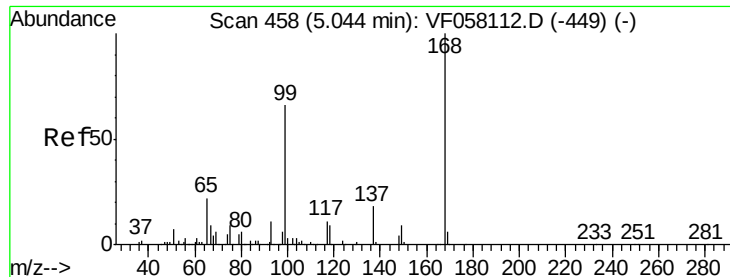
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059239.D

Acq: 20 Jun 2018 21:27

Instrument :

MSVOA_F

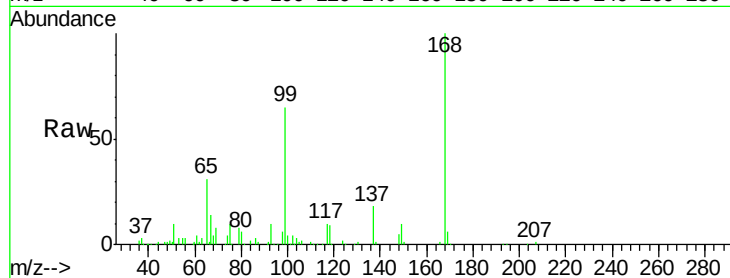
ClientSampleId :

Tot Ion:168 Resp: 195208

Ion Ratio Lower Upper

168 100

99 64.6 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

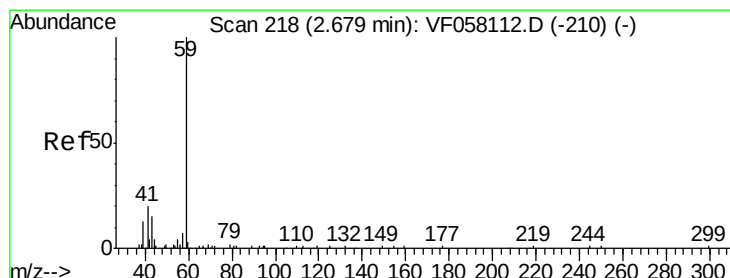
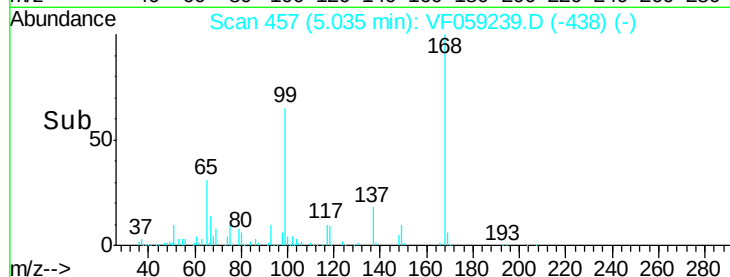
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 2.676 ug/l

RT: 2.64 min Scan# 214

Delta R.T. -0.04 min

Lab File: VF059239.D

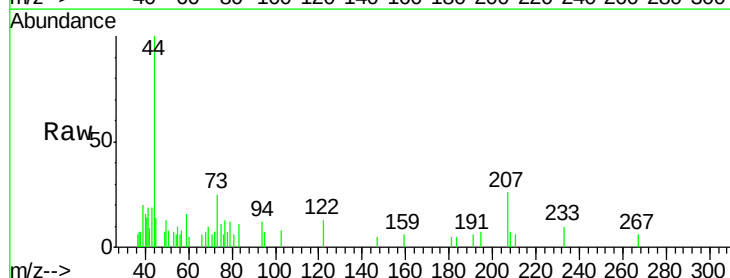
Acq: 20 Jun 2018 21:27

Tgt Ion: 59 Resp: 406

Ion Ratio Lower Upper

59 100

57 50.8 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.64

300

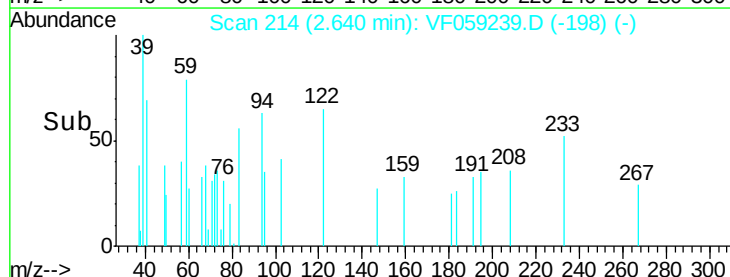
200

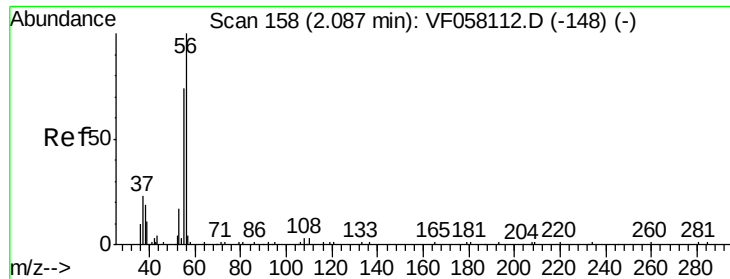
100

0

Time-->

2.62 2.64 2.66





#13

Acrolein

Concen: 3.770 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.03 min

Lab File: VF059239.D

Acq: 20 Jun 2018 21:27

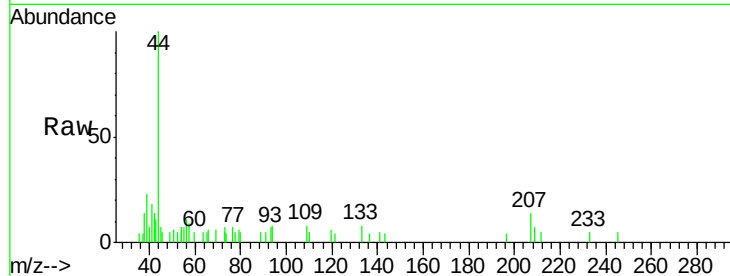
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 495

Ion Ratio Lower Upper

56 100

55 65.6 60.0 90.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

600

500

400

300

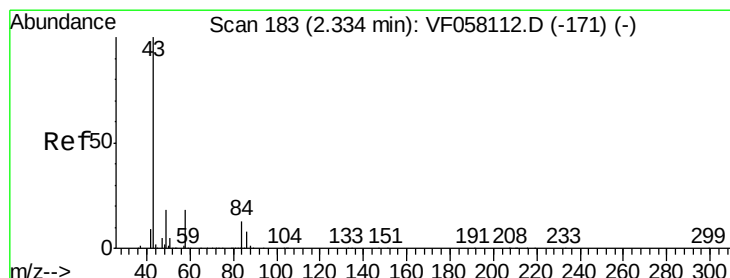
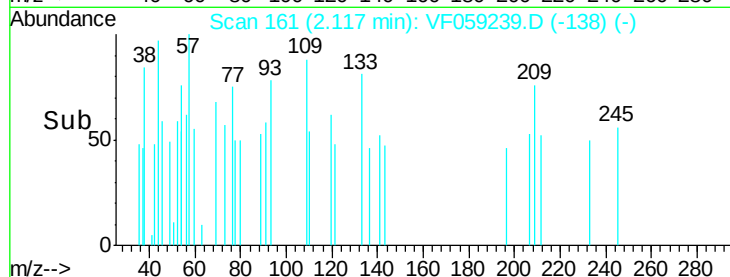
200

100

0

2.06 2.08 2.10 2.12 2.14

Time-->



#16

Acetone

Concen: 18.156 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059239.D

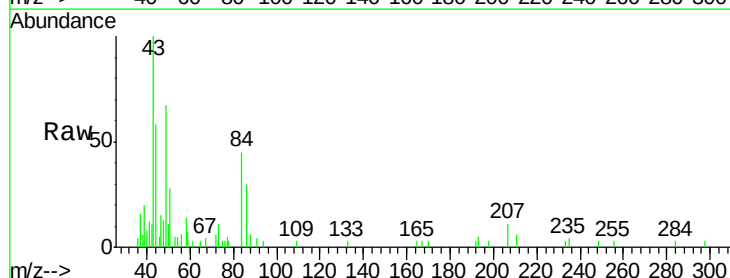
Acq: 20 Jun 2018 21:27

Tgt Ion: 43 Resp: 10263

Ion Ratio Lower Upper

43 100

58 14.5 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

4000

3000

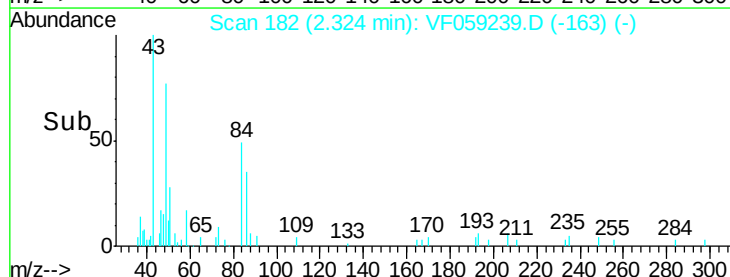
2000

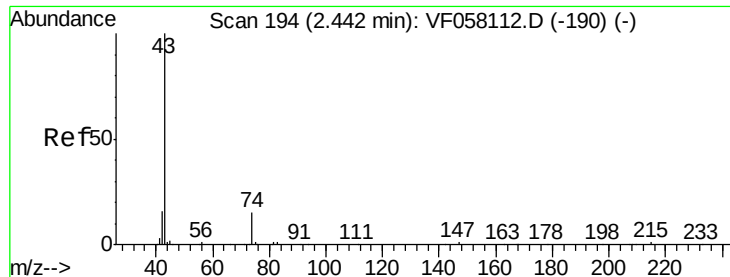
1000

0

2.25 2.30 2.35 2.40 2.45

Time-->

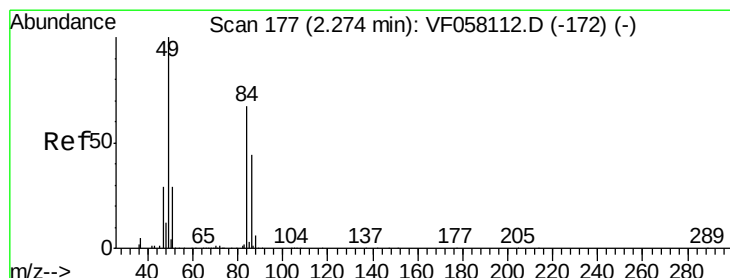
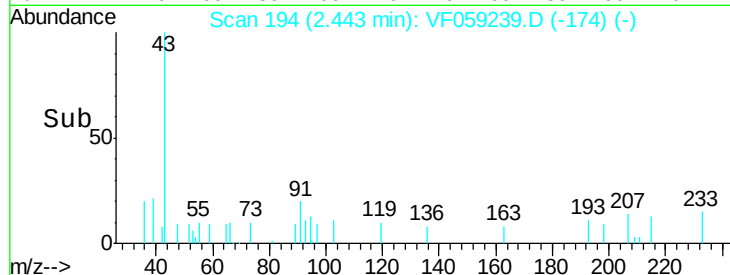
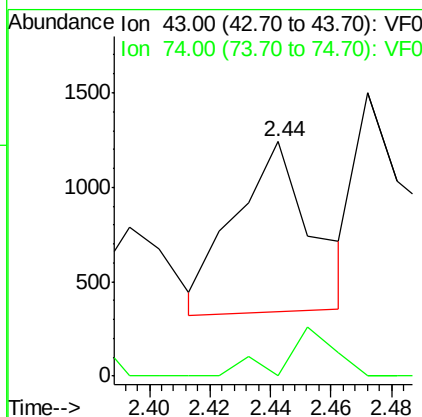
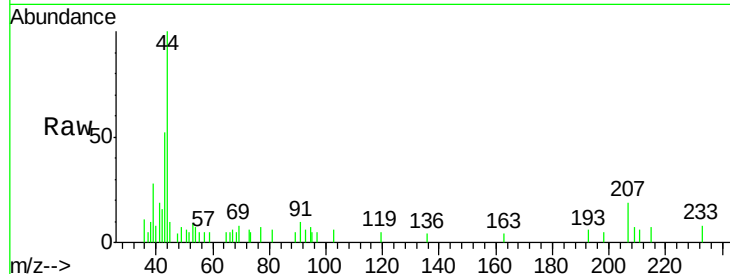




#18
Methvl Acetate
Concen: 1.640 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059239.D
Acq: 20 Jun 2018 21:27

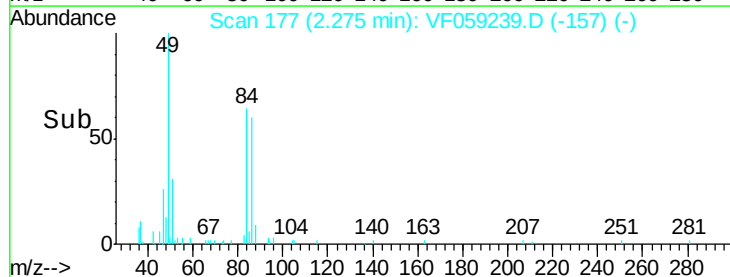
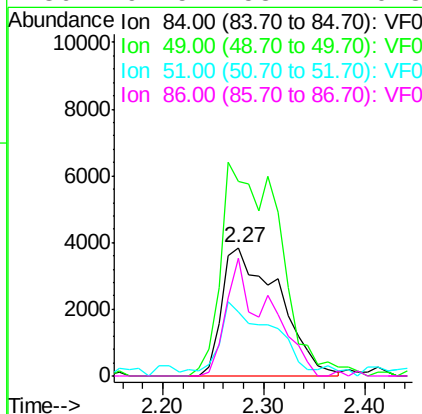
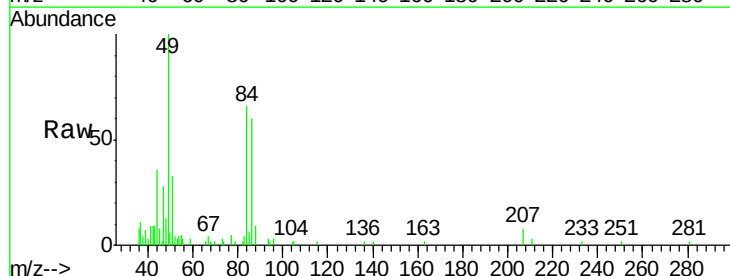
Instrument :
MSVOA_F
ClientSampleId :

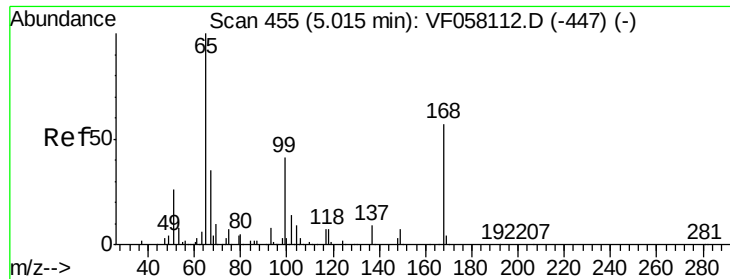
Tot Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
74 0.0 10.9 16.3#



#20
Methylene Chloride
Concen: 11.043 ug/l
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059239.D
Acq: 20 Jun 2018 21:27

Tgt Ion: 84 Resp: 14946
Ion Ratio Lower Upper
84 100
49 151.7 121.0 181.4
51 50.0 35.8 53.6
86 91.5 53.2 79.8#

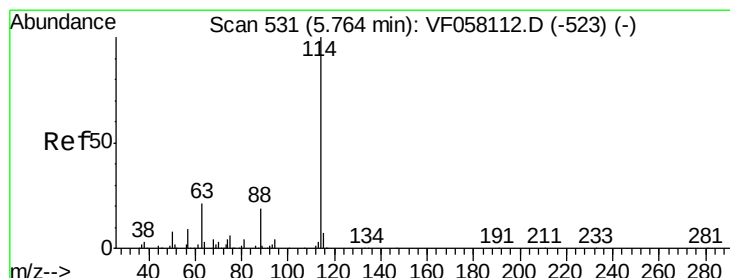
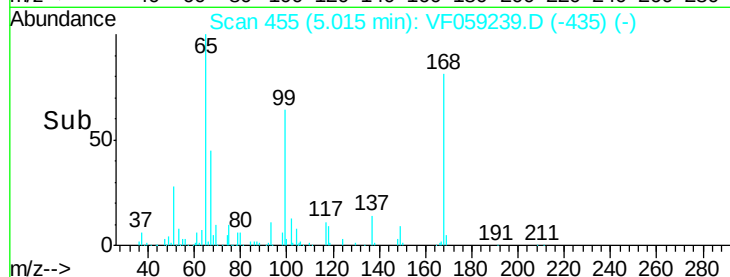
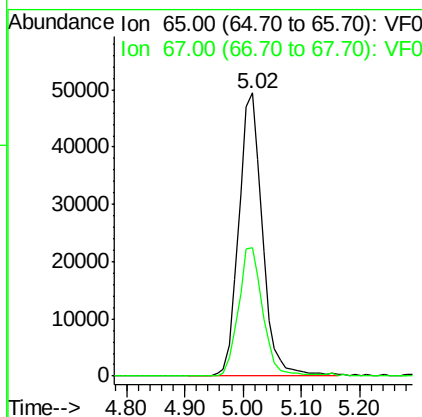
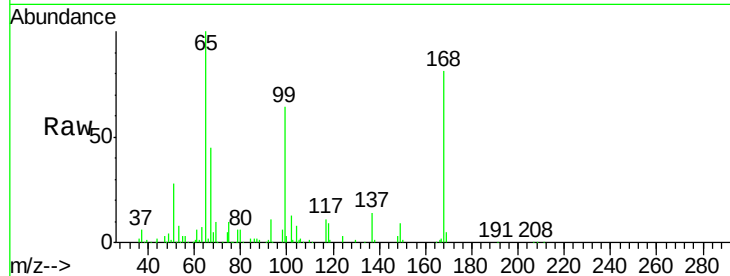




#33
 1,2-Dichloroethane-d4
 Concen: 59.079 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059239.D
 Acq: 20 Jun 2018 21:27

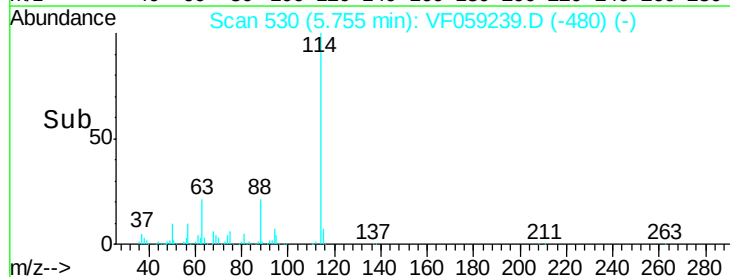
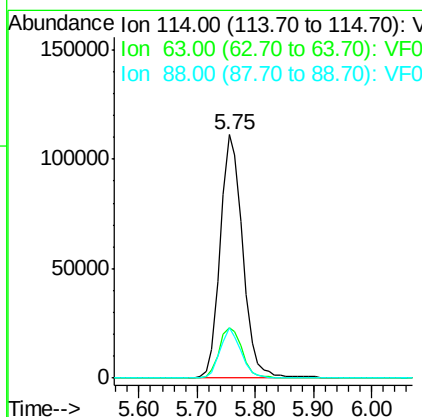
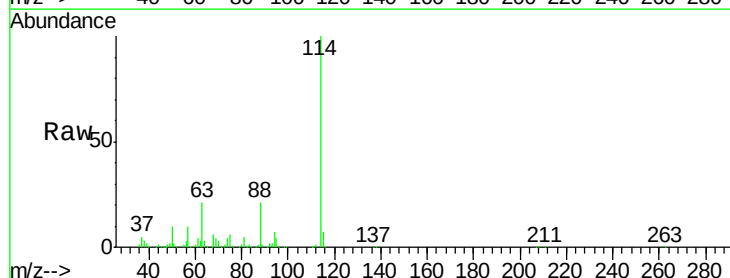
Instrument :
 MSVOA_F
 ClientSampleId :

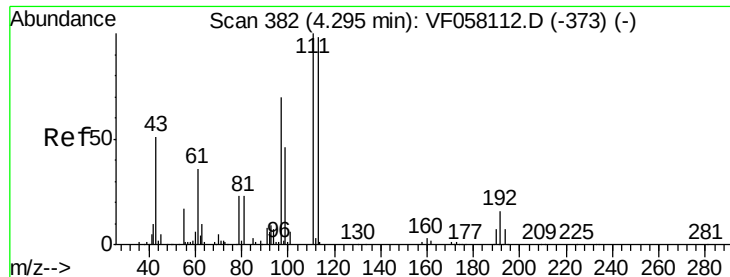
Tot Ion: 65 Resp: 139868
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059239.D
 Acq: 20 Jun 2018 21:27

Tgt Ion: 114 Resp: 299026
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.6
 88 20.9 0.0 38.8





#35

Dibromofluoromethane

Concen: 62.509 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059239.D

Acq: 20 Jun 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :

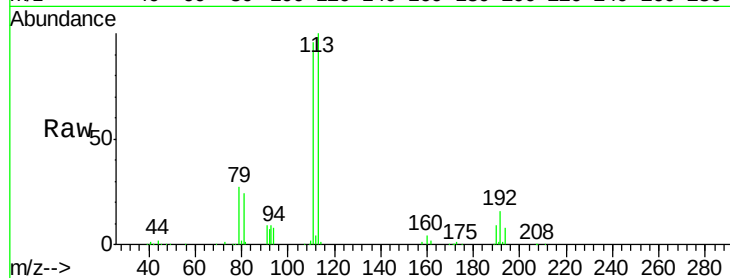
Tot Ion:113 Resp: 131155

Ion Ratio Lower Upper

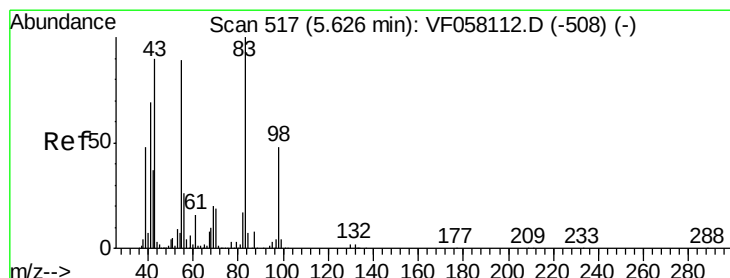
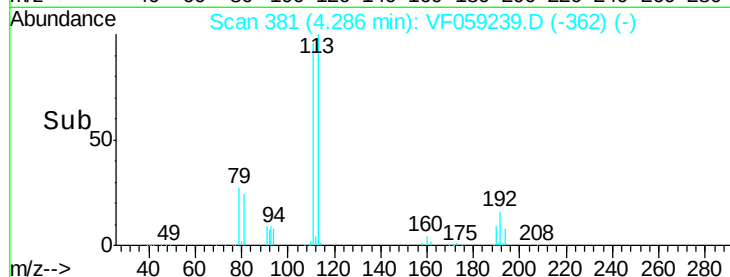
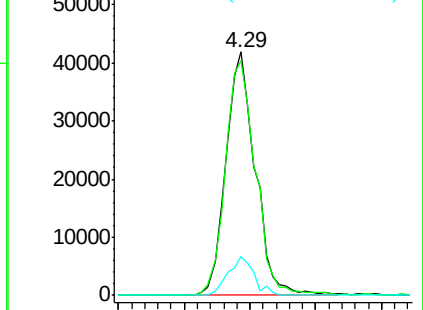
113 100

111 96.4 81.3 121.9

192 16.0 12.7 19.1



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



#39

Methylcyclohexane

Concen: 1.547 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.14 min

Lab File: VF059239.D

Acq: 20 Jun 2018 21:27

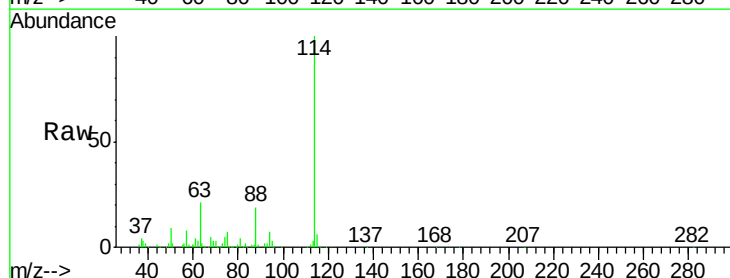
Tgt Ion: 83 Resp: 4570

Ion Ratio Lower Upper

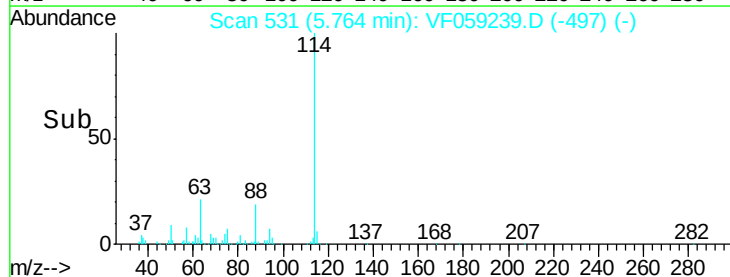
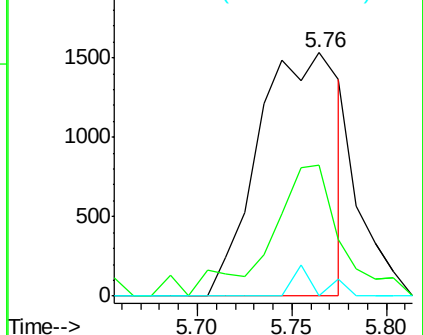
83 100

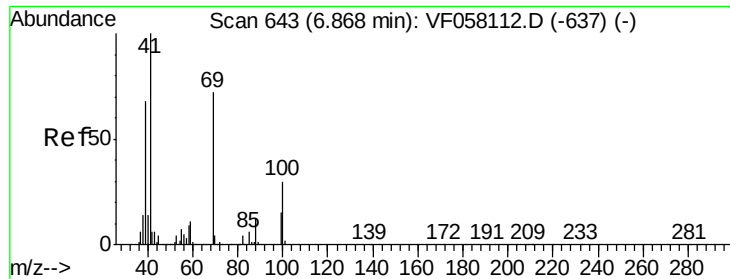
55 54.0 71.0 106.4#

98 0.0 38.1 57.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#49

1,4-Dioxane

Concen: 18.458 ug/l

RT: 6.90 min Scan# 646

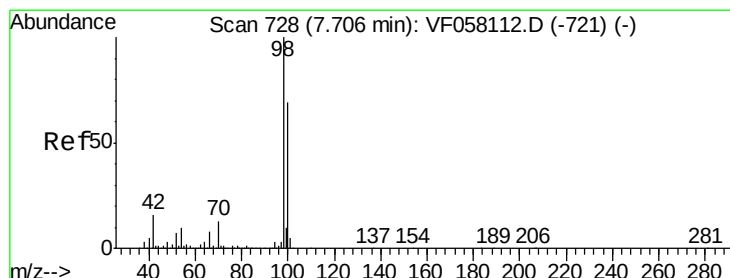
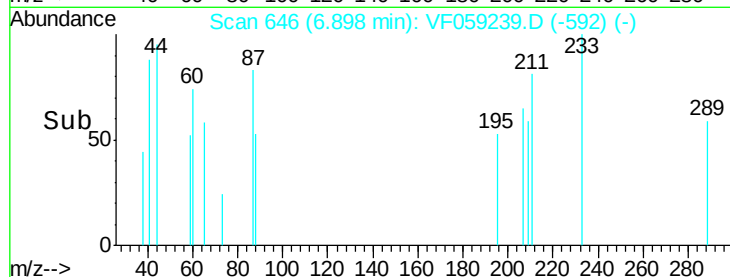
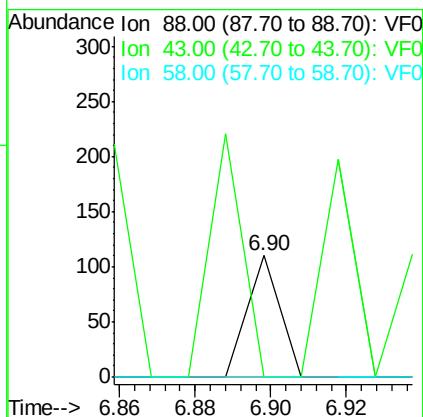
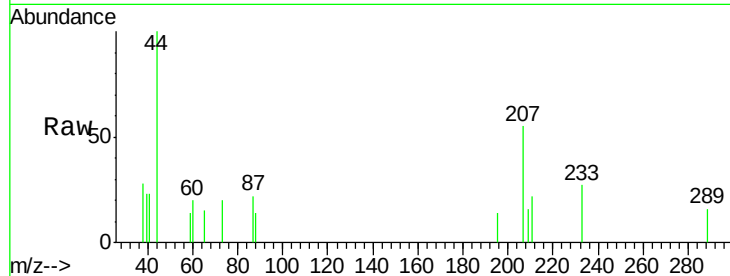
Delta R.T. 0.03 min

Lab File: VF059239.D

Acq: 20 Jun 2018 21:27

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#



#50

Toluene-d8

Concen: 48.887 ug/l

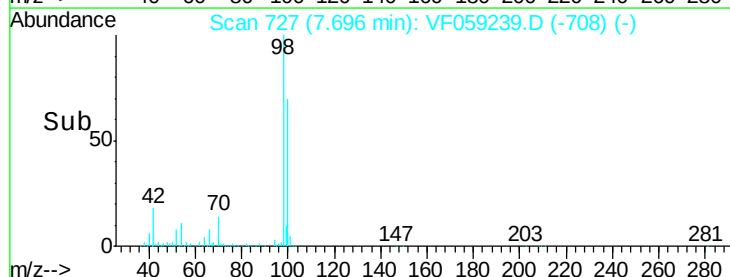
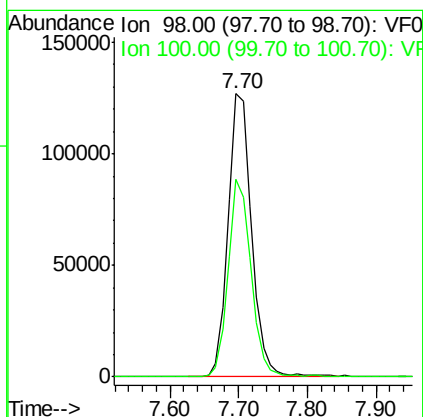
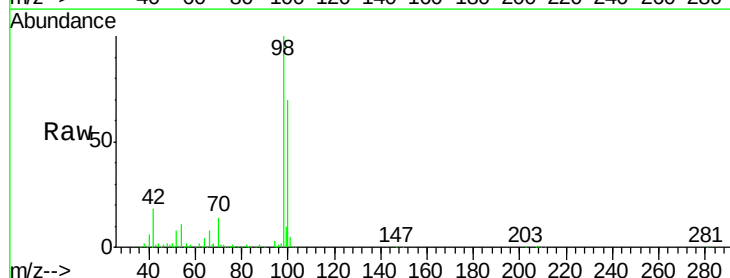
RT: 7.70 min Scan# 727

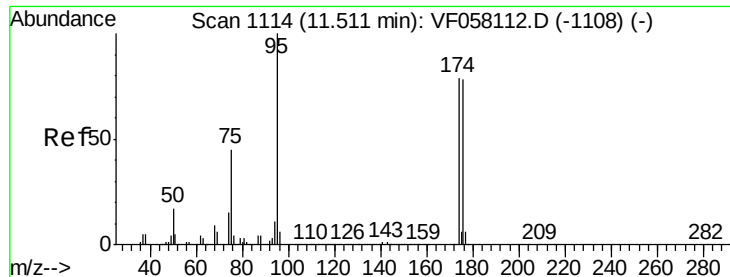
Delta R.T. -0.01 min

Lab File: VF059239.D

Acq: 20 Jun 2018 21:27

Tgt Ion: 98 Resp: 301344
Ion Ratio Lower Upper
98 100
100 70.0 55.6 83.4

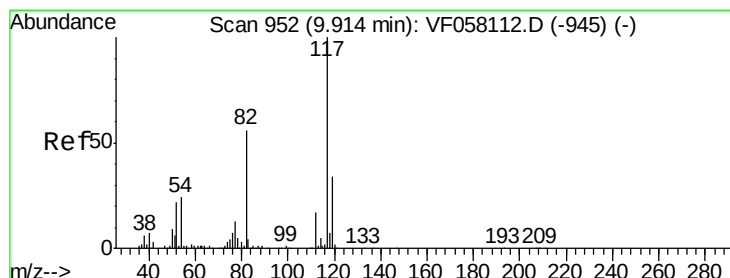
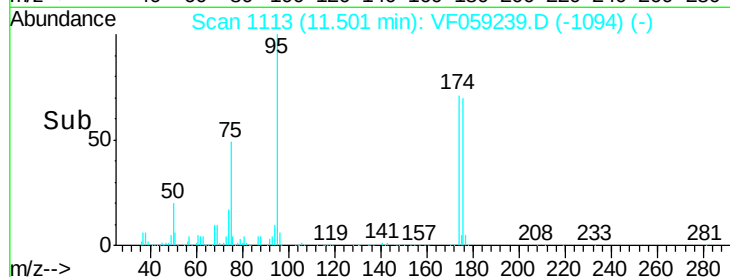
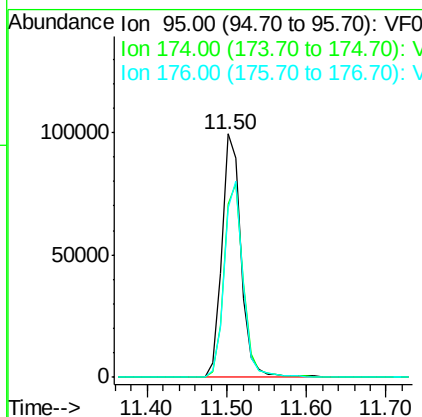
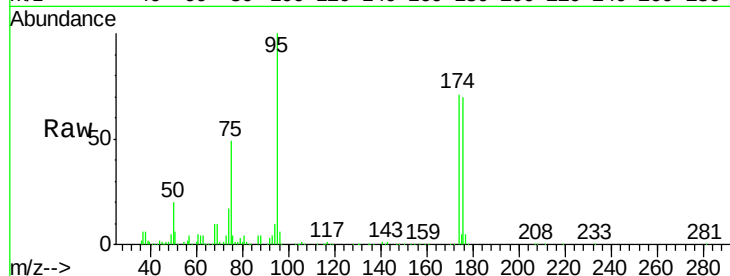




#62
4-Bromofluorobenzene
Concen: 53.827 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059239.D
Acq: 20 Jun 2018 21:27

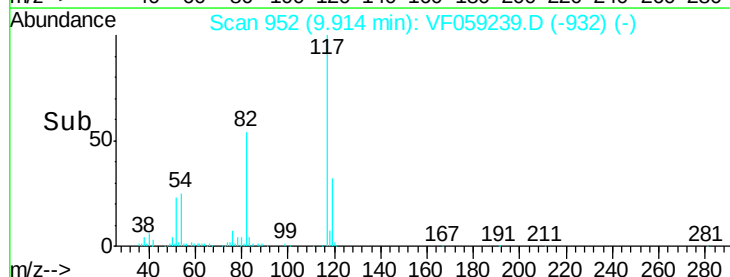
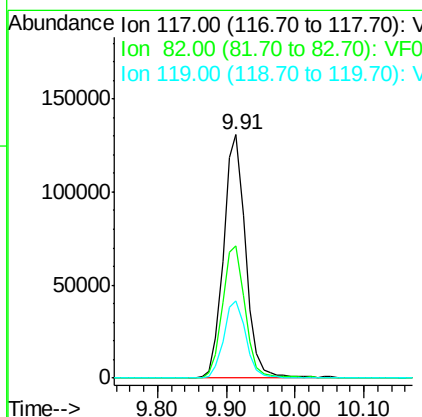
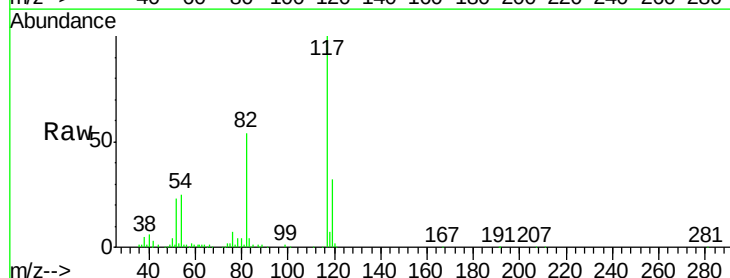
Instrument :
MSVOA_F
ClientSampled :

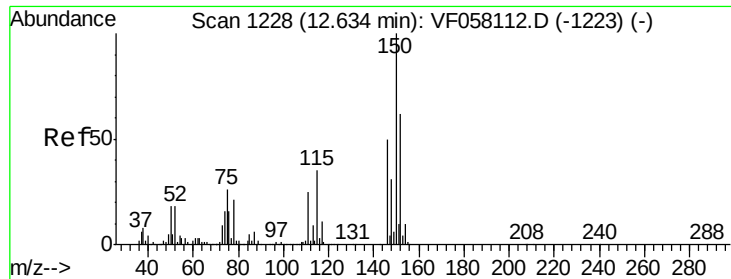
Tot Ion	95	Resp	170	176
Ion Ratio	100			
Lower		0.0	157.8	
Upper		0.0	155.8	



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059239.D
Acq: 20 Jun 2018 21:27

Tgt Ion	117	Resp	290	379
Ion Ratio	100			
Lower		45.2	67.8	
Upper		27.5	41.3	



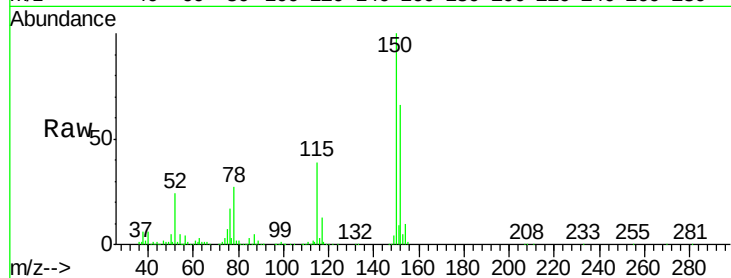


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059239.D
Acq: 20 Jun 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	28.5	85.5
150	152.3	0.0	323.8



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

