

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059200.D
 Acq On : 19 Jun 2018 20:34
 Operator : VA/AP
 Sample : J3244-01RE
 Misc : 5.61g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:05:13 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	5.03	168	218706	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	335471	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	324268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	189769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	168065	63.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.72%	
35) Dibromofluoromethane	4.29	113	146817	62.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.74%	
50) Toluene-d8	7.70	98	348009	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	11.50	95	177886	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	

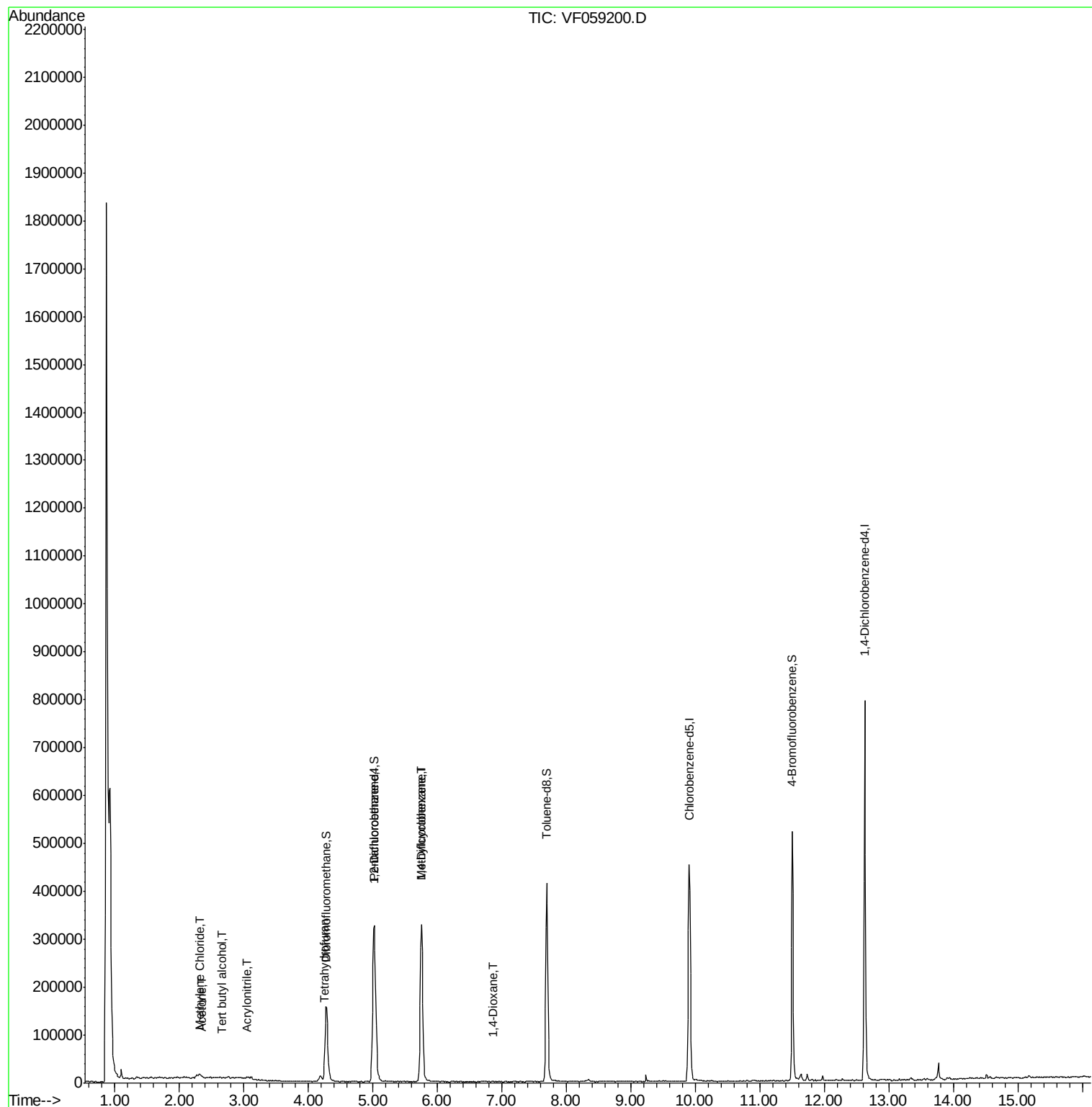
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	626	3.683	ug/l #	1
15) Acrylonitrile	3.03	53	640	1.896	ug/l #	81
16) Acetone	2.35	43	4926	7.778	ug/l	94
20) Methylene Chloride	2.31	84	5792	3.820	ug/l #	89
29) Tetrahydrofuran	4.25	42	1058	2.446	ug/l #	71
39) Methylcyclohexane	5.76	83	4155	1.254	ug/l #	33
49) 1,4-Dioxane	6.85	88	67	18.024	ug/l #	55
89) n-Butylbenzene	12.90	91	594	Below Cal	#	30

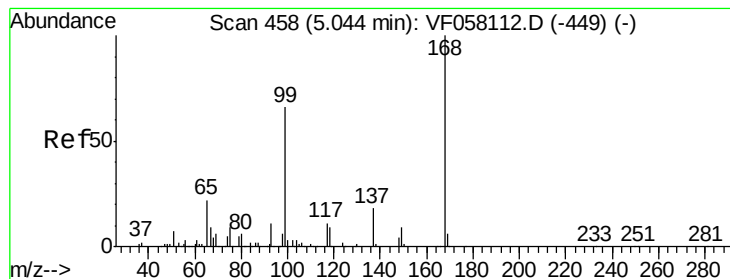
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Instrument :

MSVOA_F

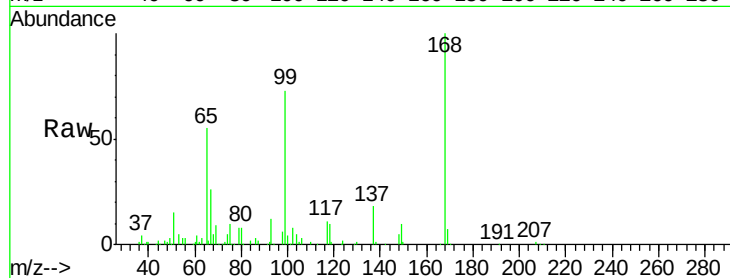
ClientSampleId :

Tot Ion:168 Resp: 218706

Ion Ratio Lower Upper

168 100

99 73.0 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

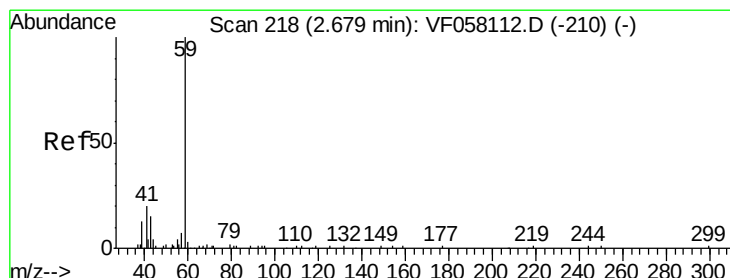
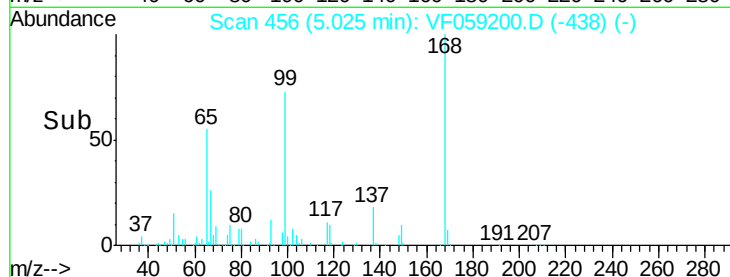
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#11

Tert butyl alcohol

Concen: 3.683 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.01 min

Lab File: VF059200.D

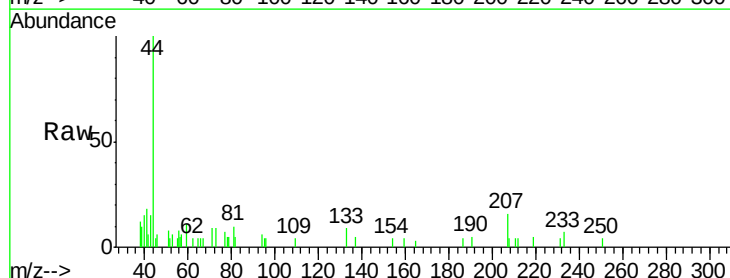
Acq: 19 Jun 2018 20:34

Tgt Ion: 59 Resp: 626

Ion Ratio Lower Upper

59 100

57 53.3 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.67

400

300

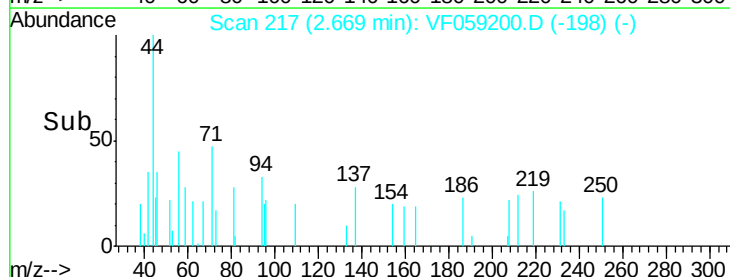
200

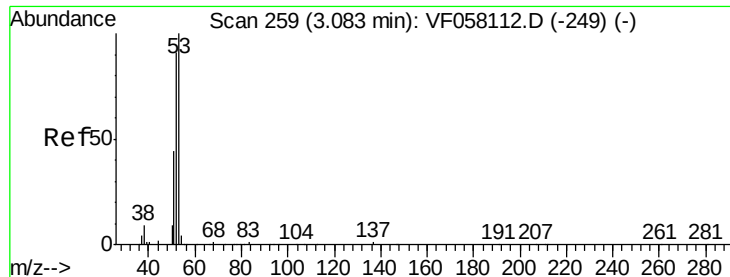
100

0

Time-->

2.60 2.65 2.70





#15

Acrylonitrile

Concen: 1.896 ug/l

RT: 3.03 min Scan# 254

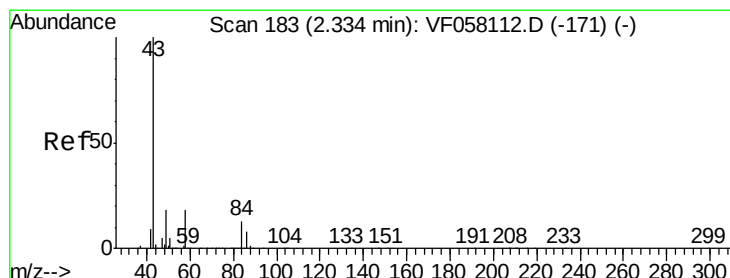
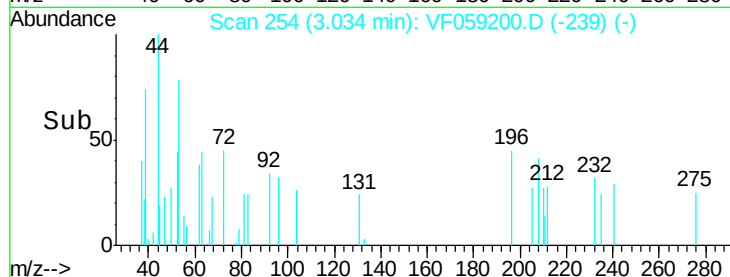
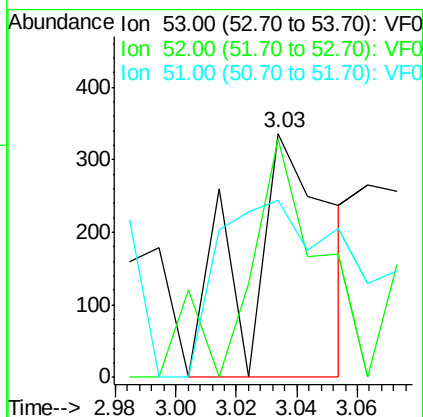
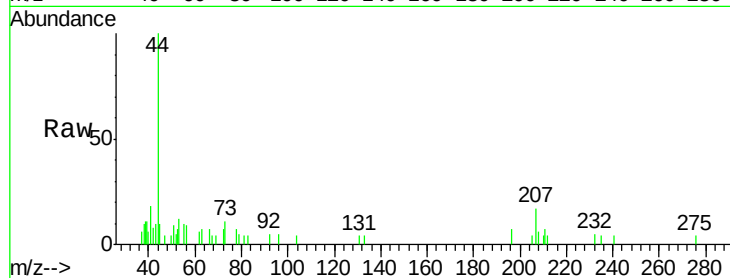
Delta R.T. -0.05 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:	53	Resp:	640
Ion	Ratio	Lower	Upper
53	100		
52	97.6	73.2	109.8
51	72.9	35.6	53.4#



#16

Acetone

Concen: 7.778 ug/l

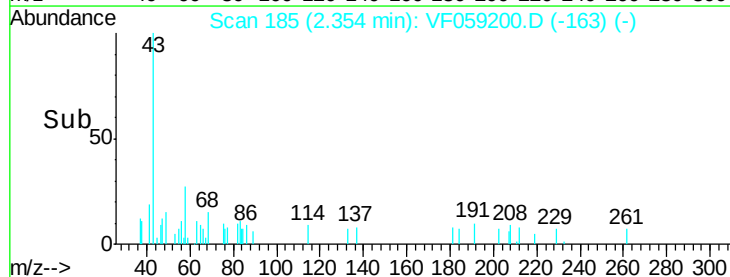
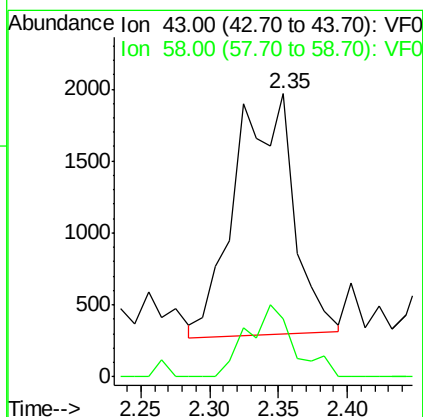
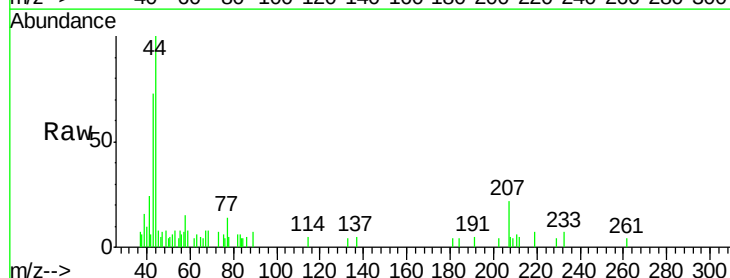
RT: 2.35 min Scan# 185

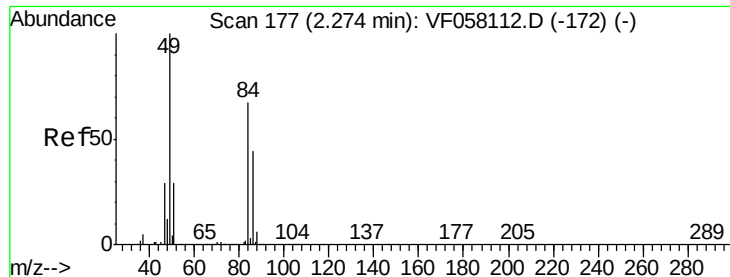
Delta R.T. 0.02 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Tgt Ion:	43	Resp:	4926
Ion	Ratio	Lower	Upper
43	100		
58	20.6	14.4	21.6

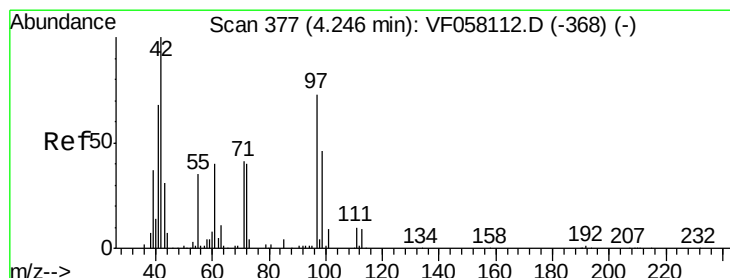
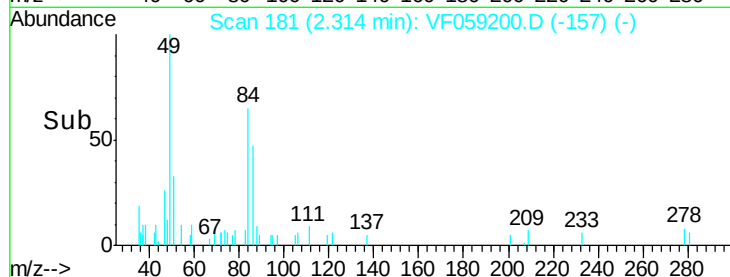
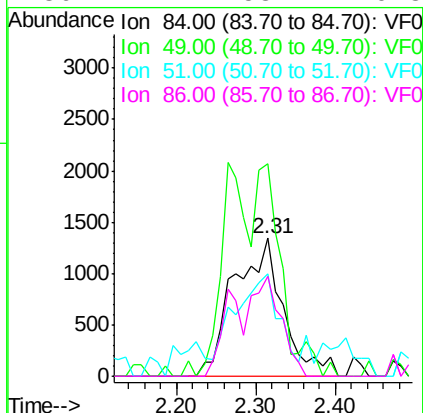
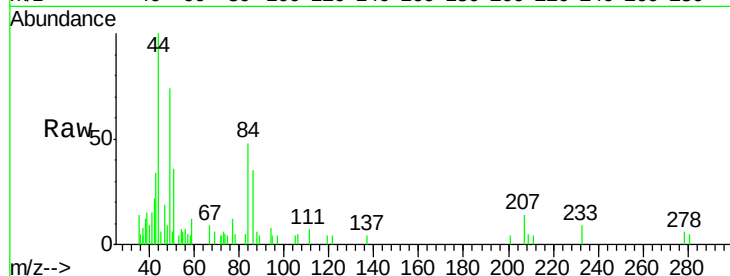




#20
Methylene Chloride
Concen: 3.820 ug/l
RT: 2.31 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

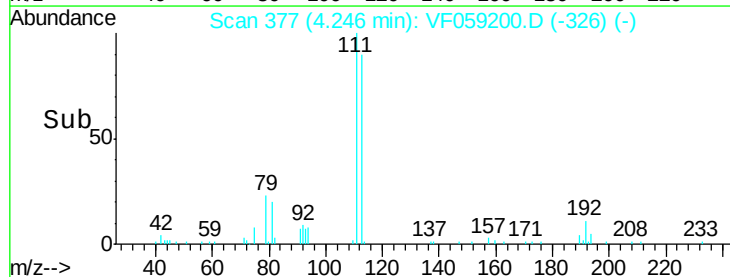
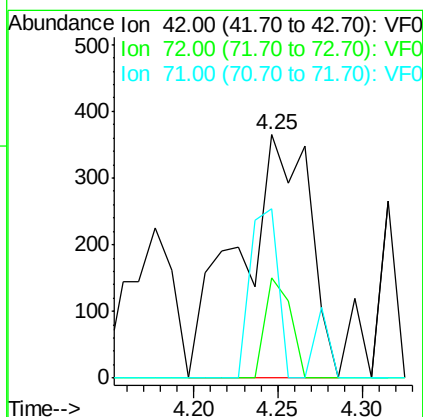
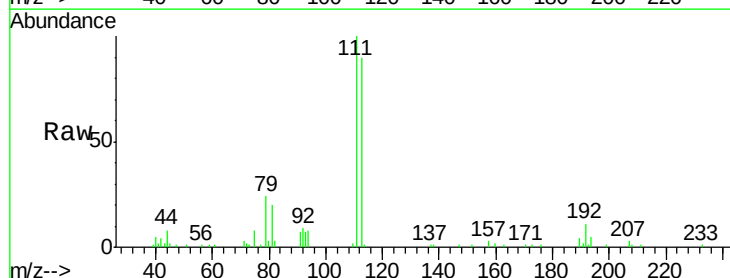
Instrument :
MSVOA_F
ClientSampled :

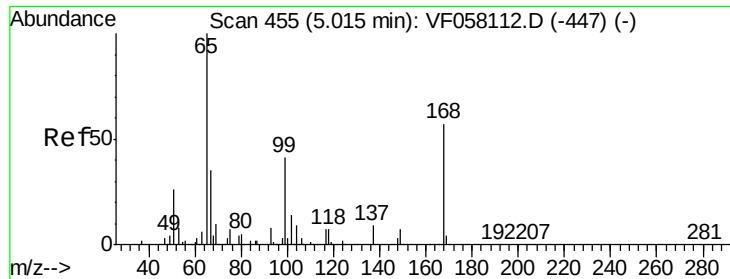
Tot Ion: 84 Resp: 5792
Ion Ratio Lower Upper
84 100
49 153.9 121.0 181.4
51 74.3 35.8 53.6#
86 72.7 53.2 79.8



#29
Tetrahydrofuran
Concen: 2.446 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

Tgt Ion: 42 Resp: 1058
Ion Ratio Lower Upper
42 100
72 14.9 30.5 45.7#
71 27.4 31.5 47.3#

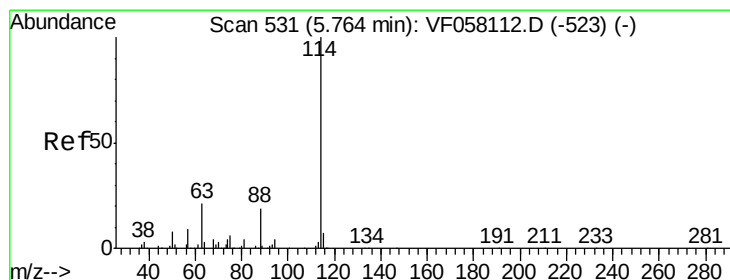
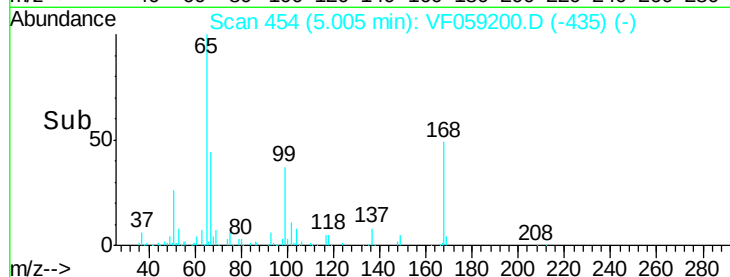
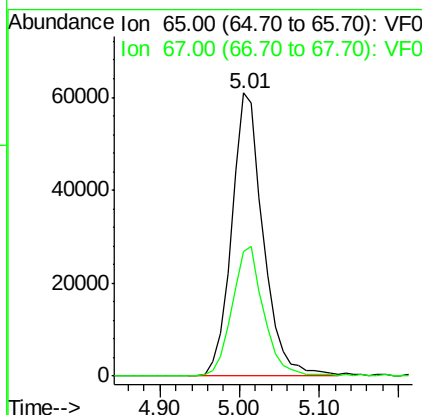
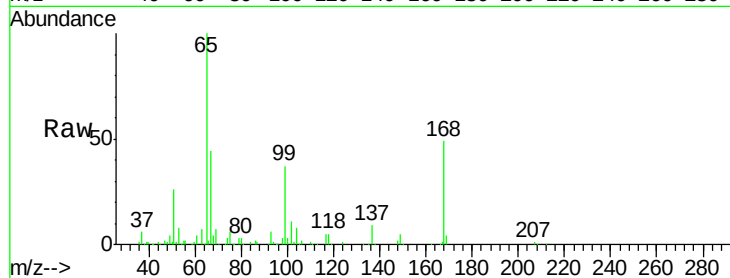




#33
 1,2-Dichloroethane-d4
 Concen: 63.362 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

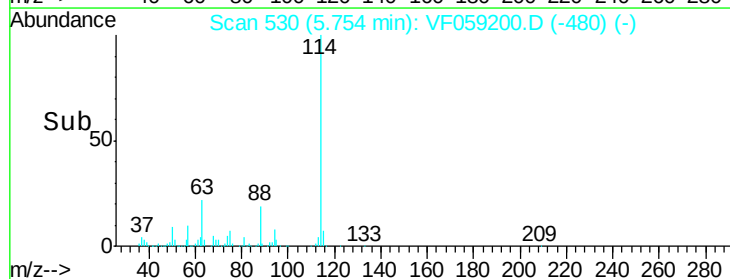
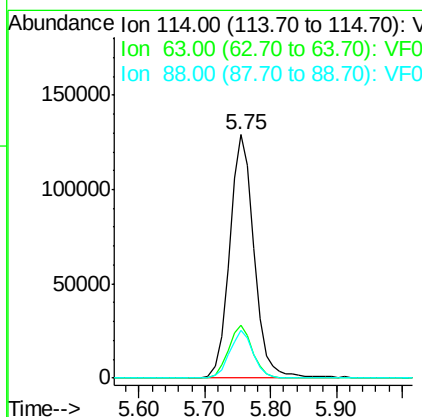
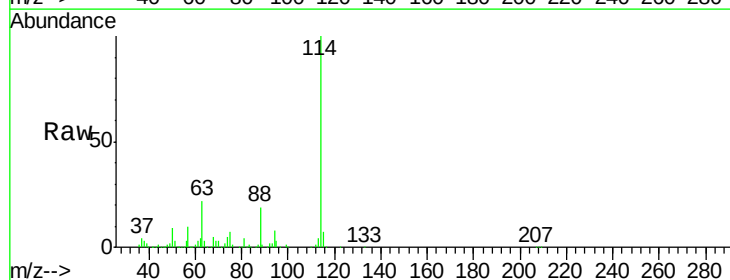
Instrument :
 MSVOA_F
 ClientSampled :

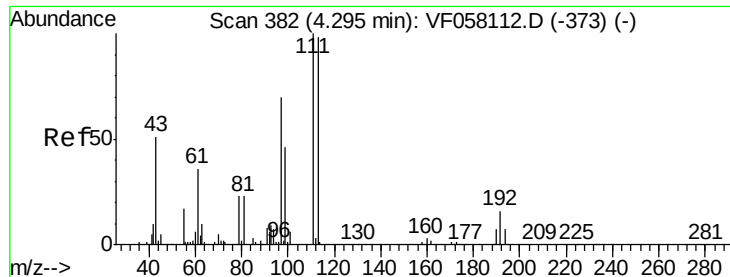
Tot Ion: 65 Resp: 168065
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

Tgt Ion: 114 Resp: 335471
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.6
 88 19.4 0.0 38.8





#35

Dibromofluoromethane

Concen: 62.372 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

Instrument :
MSVOA_F
ClientSampleId :

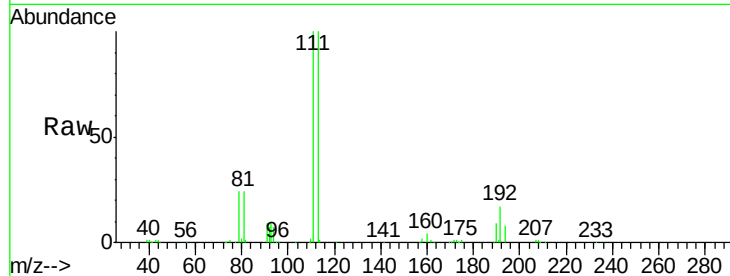
Tot Ion:113 Resp: 146817

Ion Ratio Lower Upper

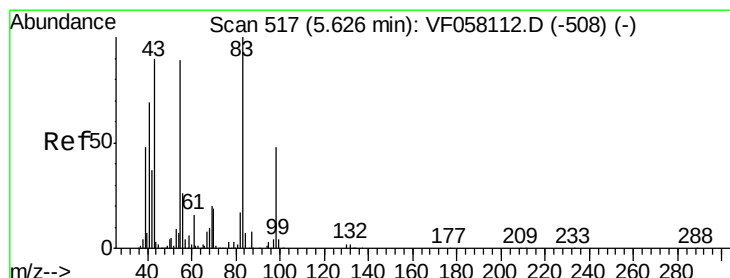
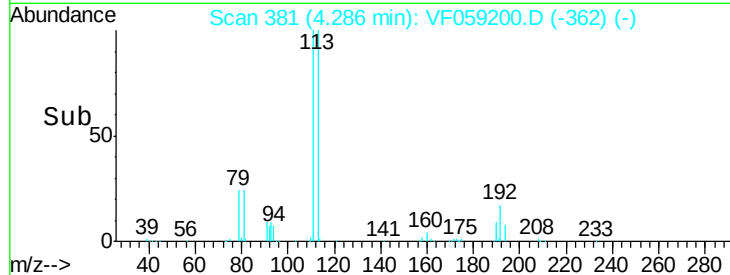
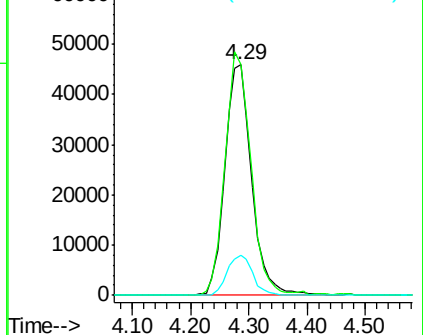
113 100

111 100.4 81.3 121.9

192 17.4 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: 1.254 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.14 min

Lab File: VF059200.D

Acq: 19 Jun 2018 20:34

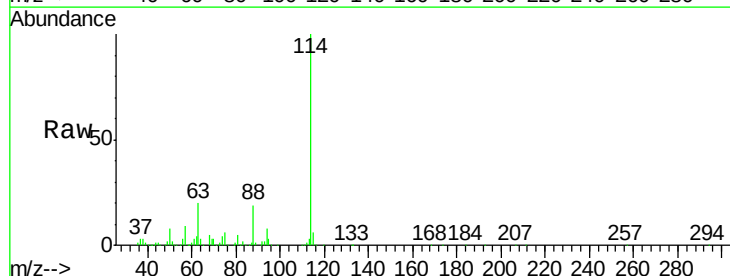
Tgt Ion: 83 Resp: 4155

Ion Ratio Lower Upper

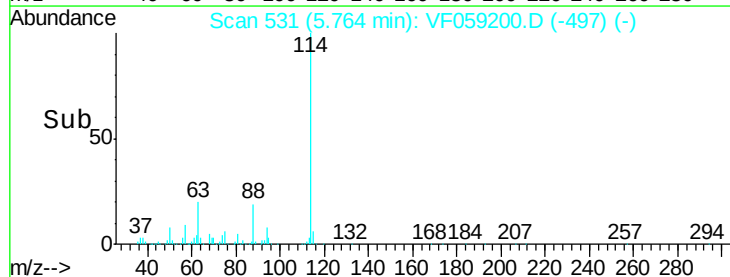
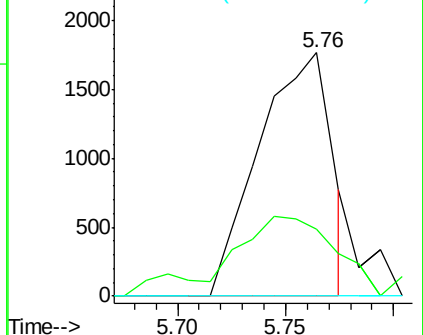
83 100

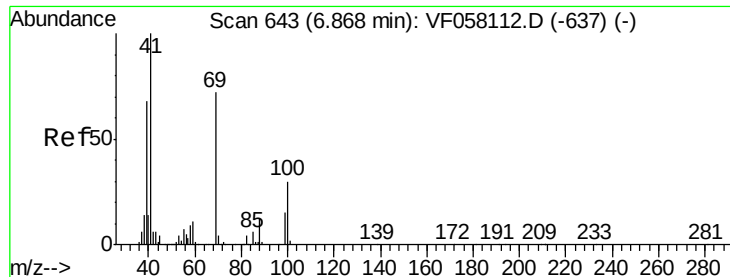
55 27.5 71.0 106.4#

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

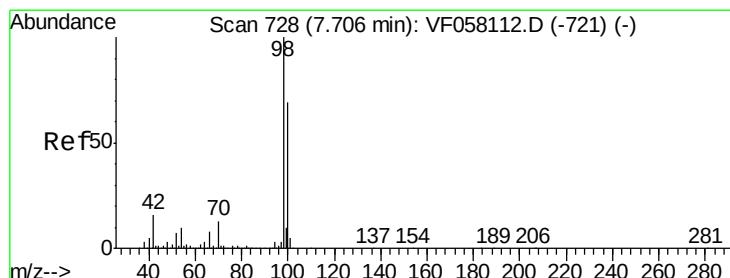
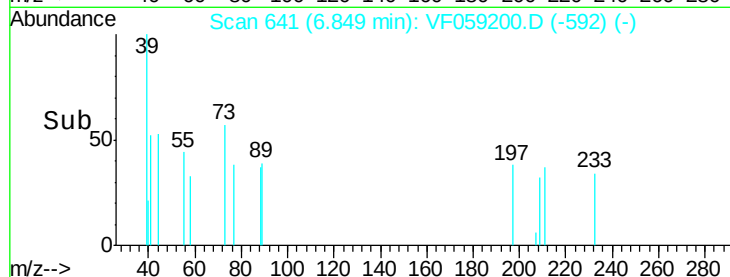
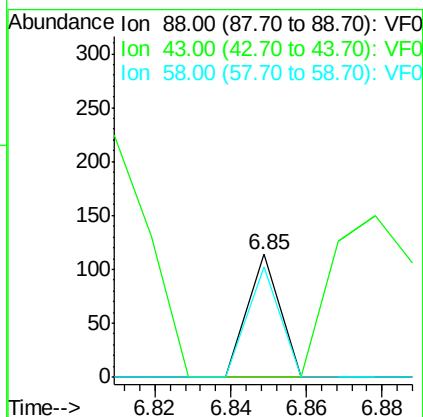
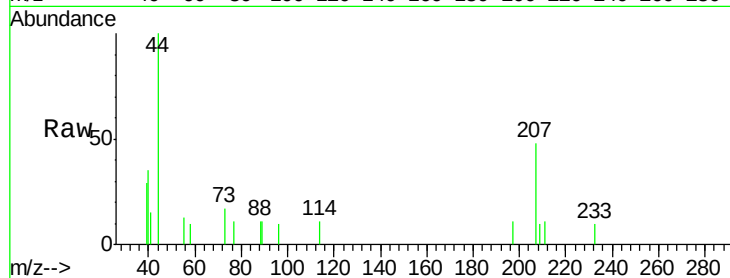




#49
1,4-Dioxane
Concen: 18.024 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.02 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

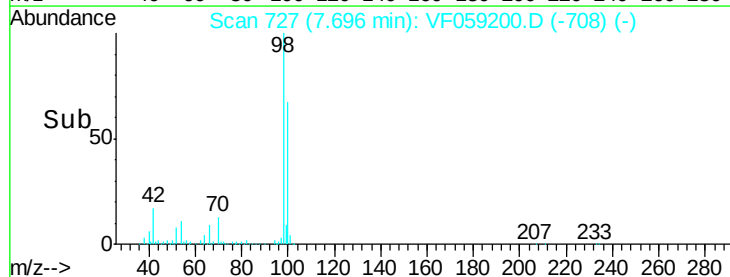
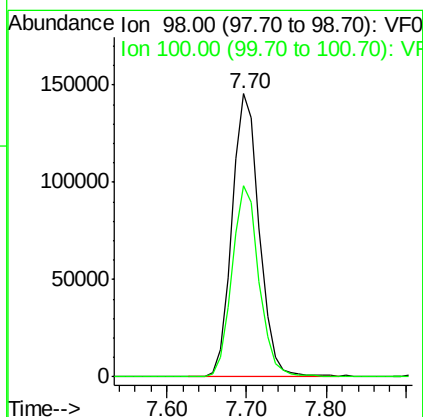
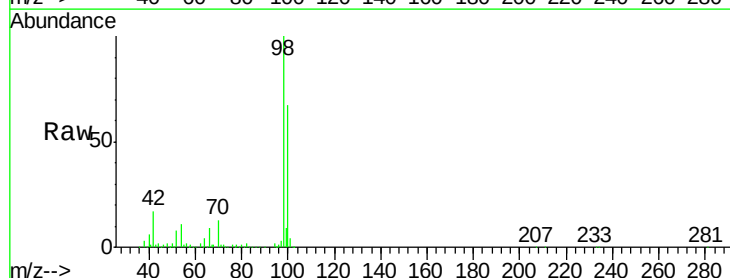
Instrument :
MSVOA_F
ClientSampleId :

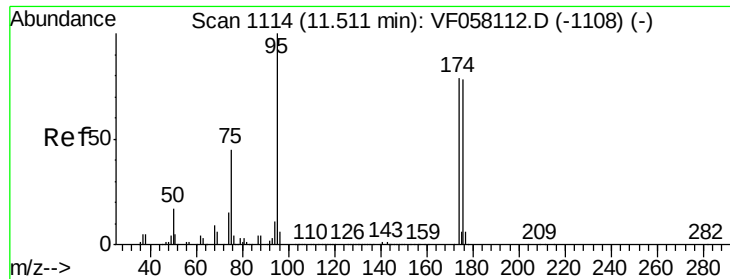
Tot Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 89.5 59.4 89.0#



#50
Toluene-d8
Concen: 50.324 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

Tgt Ion: 98 Resp: 348009
Ion Ratio Lower Upper
98 100
100 67.3 55.6 83.4

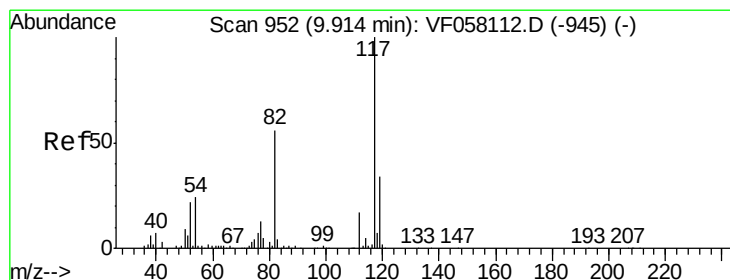
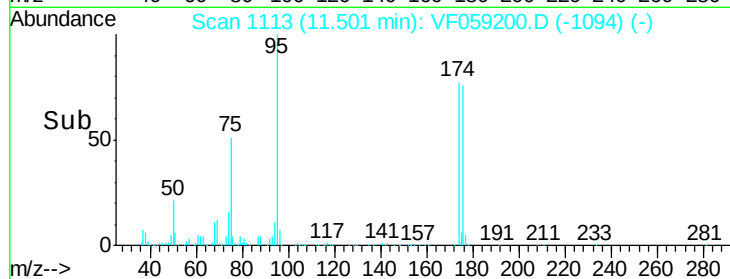
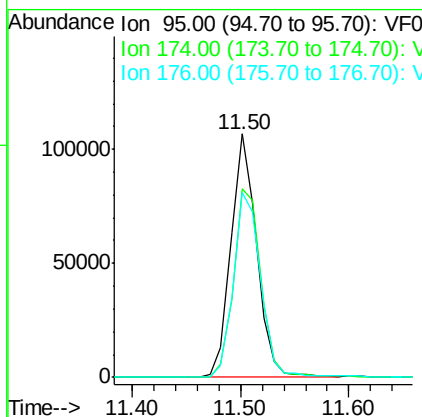
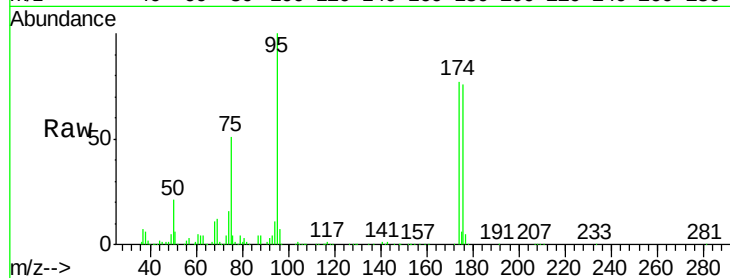




#62
4-Bromofluorobenzene
Concen: 50.153 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

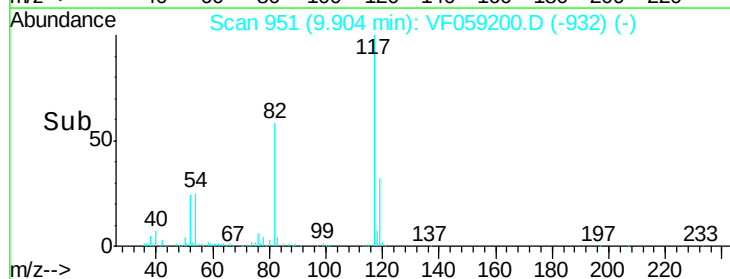
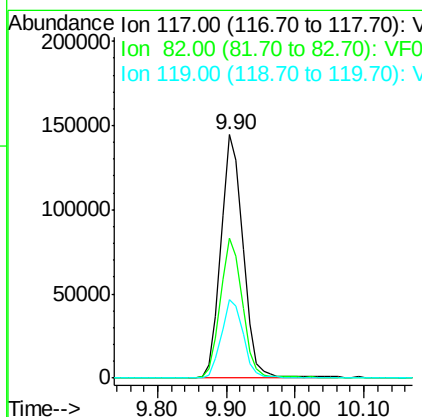
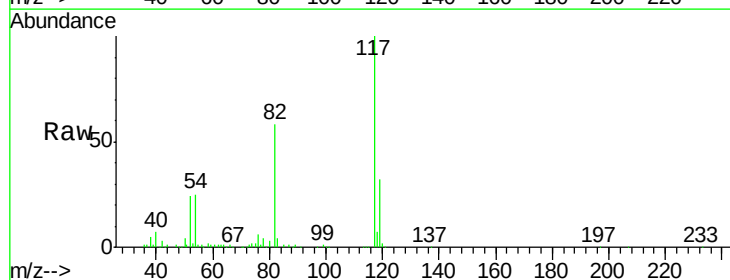
Instrument :
MSVOA_F
ClientSampled :

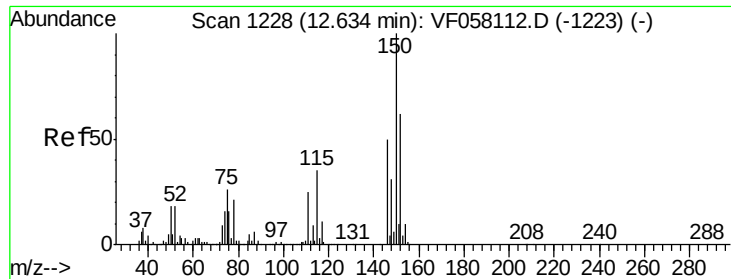
Tot Ion: 95 Resp: 177886
Ion Ratio Lower Upper
95 100
174 77.4 0.0 157.8
176 75.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059200.D
Acq: 19 Jun 2018 20:34

Tgt Ion: 117 Resp: 324268
Ion Ratio Lower Upper
117 100
82 57.6 45.2 67.8
119 32.1 27.5 41.3



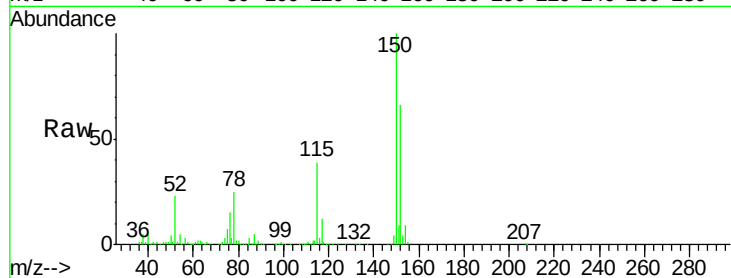


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059200.D
 Acq: 19 Jun 2018 20:34

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.5	85.5
150	151.3	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

