

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059296.D
 Acq On : 23 Jun 2018 1:38
 Operator : VA/AP
 Sample : J3605-06
 Misc : 6.59g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S-5(6.5-7)

Quant Time: Jun 23 04:39:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	172475	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	272686	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	283990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	178097	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	132471	53.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.02%	
35) Dibromofluoromethane	4.29	113	118103	51.48	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	102.96%	
50) Toluene-d8	7.71	98	278352	47.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.50	95	157615	48.71	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.42%	

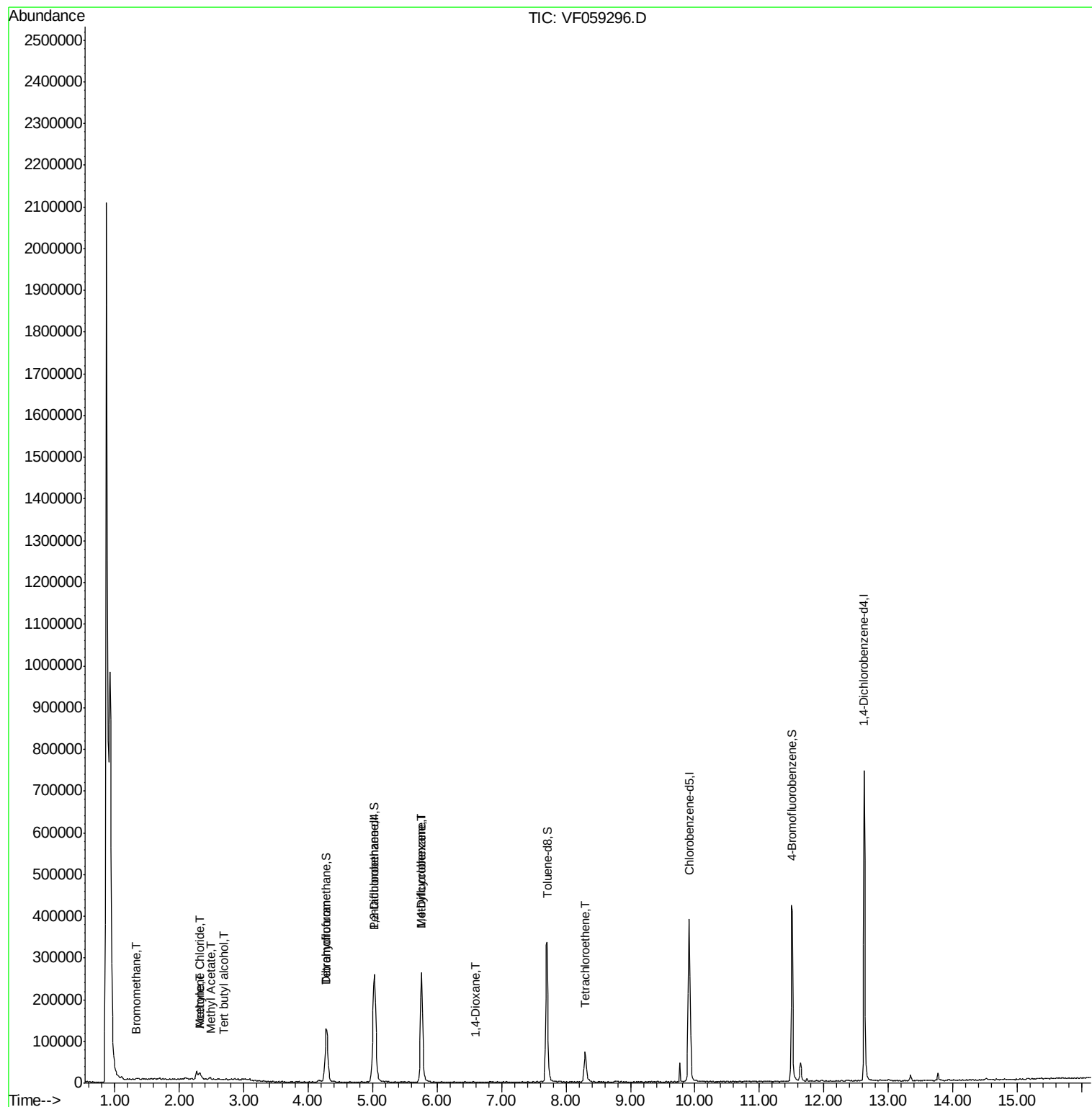
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.32	94	293	2.072	ug/l #	1
11) Tert butyl alcohol	2.70	59	536	3.715	ug/l #	1
13) Acrolein	2.01	56	243	Below Cal		90
15) Acrylonitrile	3.06	53	211	Below Cal	#	68
16) Acetone	2.33	43	7926	13.546	ug/l #	92
18) Methyl Acetate	2.48	43	2523	2.287	ug/l #	66
20) Methylene Chloride	2.32	84	5403	2.730	ug/l #	84
28) Bromochloromethane	3.77	49	173	Below Cal	#	8
29) Tetrahydrofuran	4.27	42	648	1.849	ug/l #	69
39) Methylcyclohexane	5.76	83	4918	1.918	ug/l #	34
49) 1,4-Dioxane	6.60	88	72	8.740	ug/l #	1
64) Tetrachloroethene	8.30	164	20413	9.359	ug/l	86

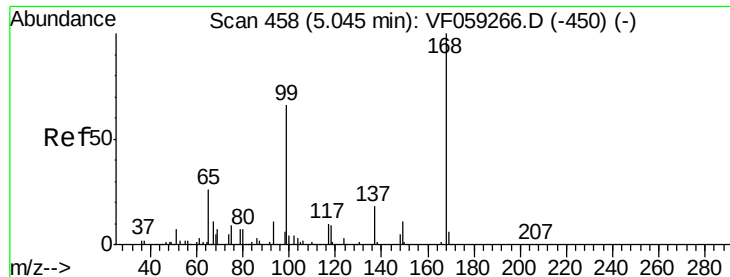
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
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S-5(6.5-7)

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Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

Instrument :

MSVOA_F

ClientSampleId :

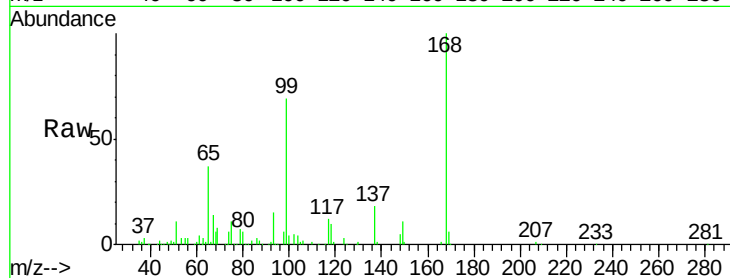
S-5(6.5-7)

Tgt Ion:168 Resp: 172475

Ion Ratio Lower Upper

168 100

99 69.4 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

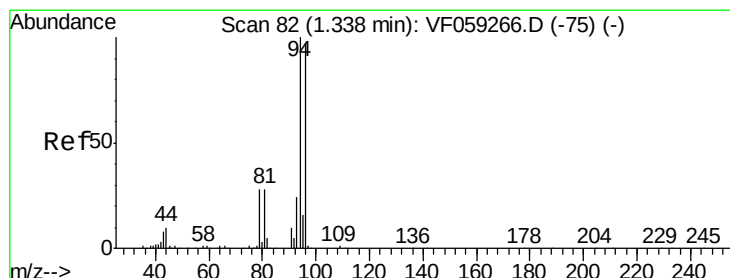
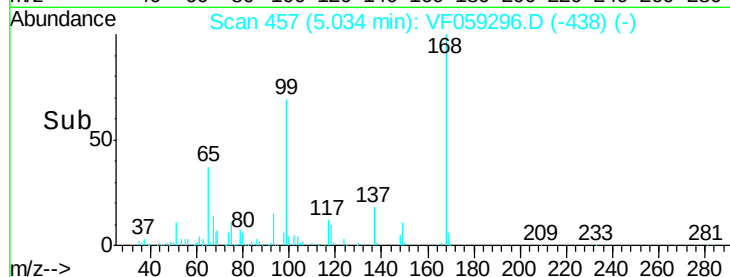
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#5

Bromomethane

Concen: 2.072 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.02 min

Lab File: VF059296.D

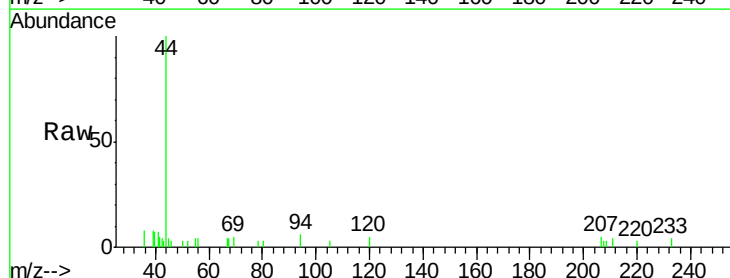
Acq: 23 Jun 2018 1:38

Tgt Ion: 94 Resp: 293

Ion Ratio Lower Upper

94 100

96 0.0 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.32

250

200

150

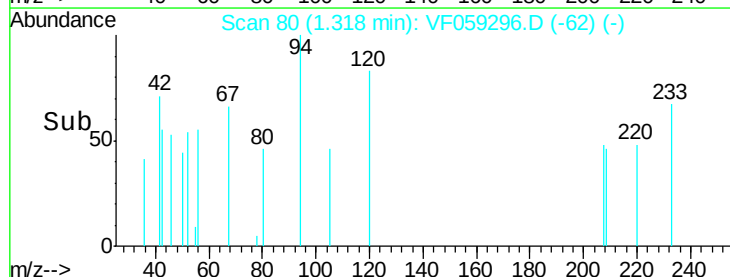
100

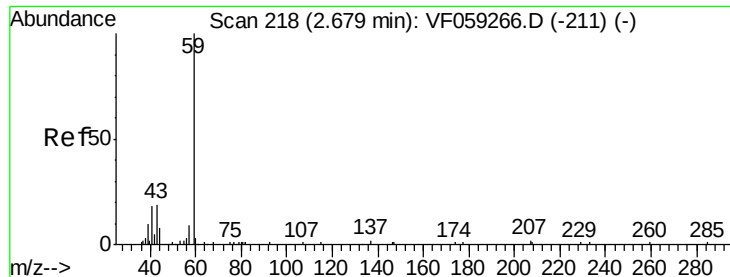
50

0

Time-->

1.28 1.30 1.32 1.34 1.36

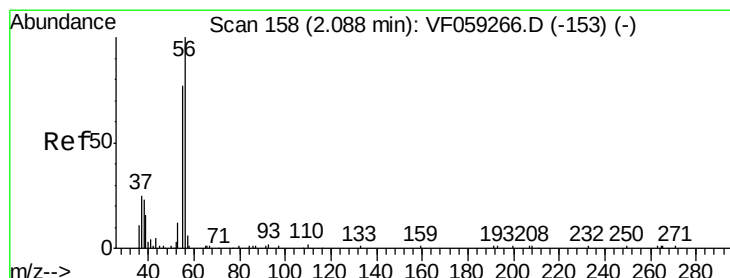
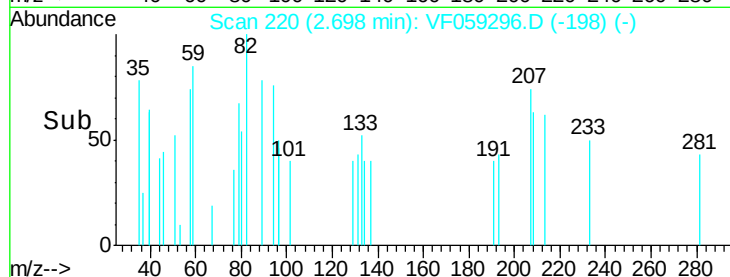
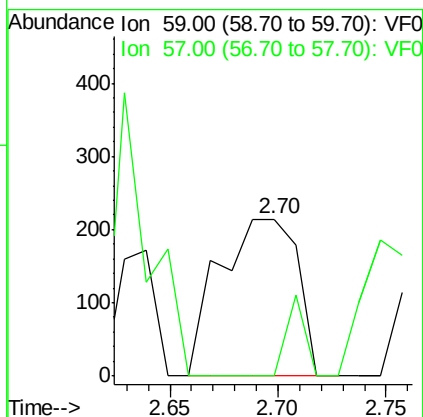
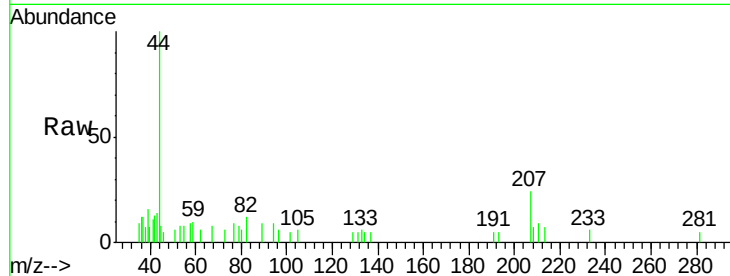




#11
Tert butyl alcohol
Concen: 3.715 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059296.D
Acq: 23 Jun 2018 1:38

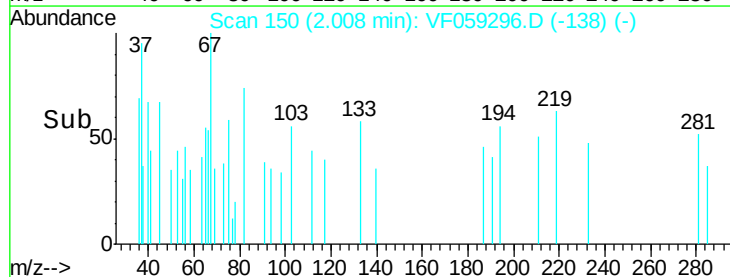
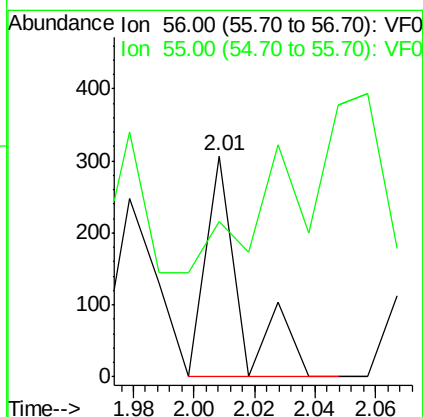
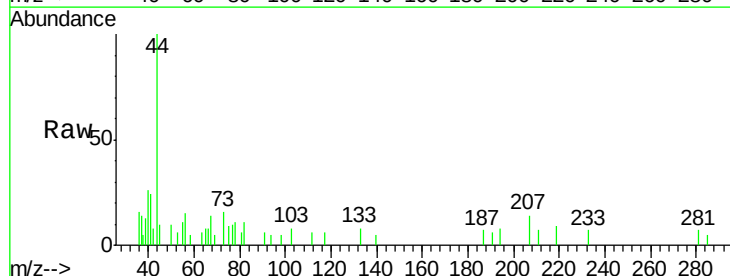
Instrument :
MSVOA_F
ClientSampleId :
S-5(6.5-7)

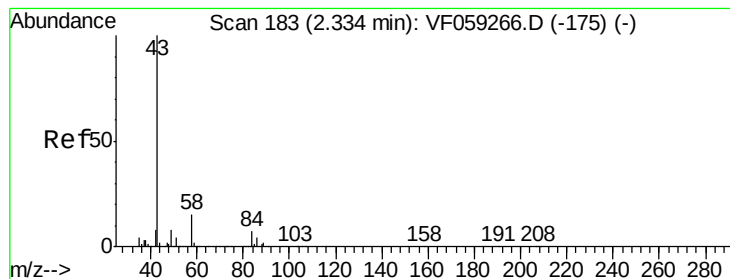
Tgt Ion: 59 Resp: 536
Ion Ratio Lower Upper
59 100
57 87.4 9.2 13.8#



#13
Acrolein
Concen: Below Cal
RT: 2.01 min Scan# 150
Delta R.T. -0.08 min
Lab File: VF059296.D
Acq: 23 Jun 2018 1:38

Tgt Ion: 56 Resp: 243
Ion Ratio Lower Upper
56 100
55 70.4 63.0 94.6





#16

Acetone

Concen: 13.546 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

Instrument :

MSVOA_F

ClientSampleId :

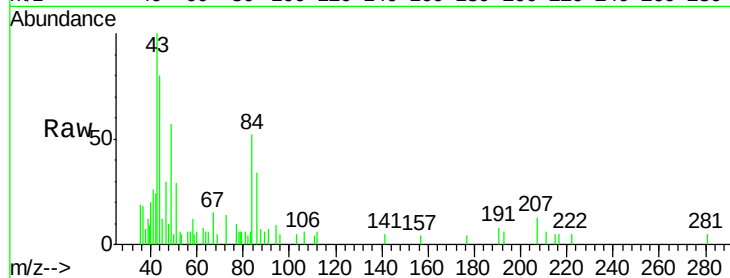
S-5(6.5-7)

Tgt Ion: 43 Resp: 7926

Ion Ratio Lower Upper

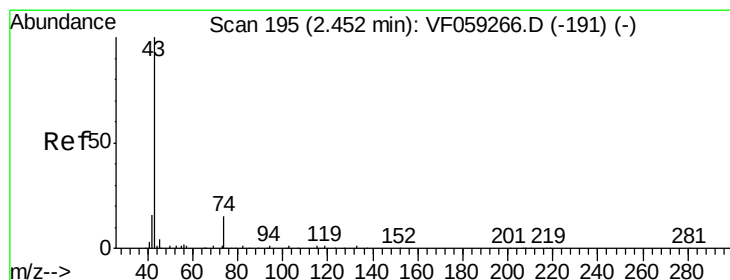
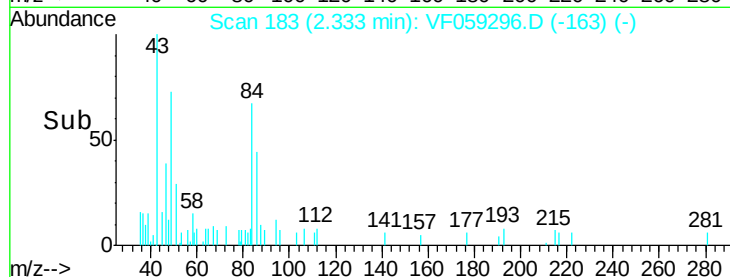
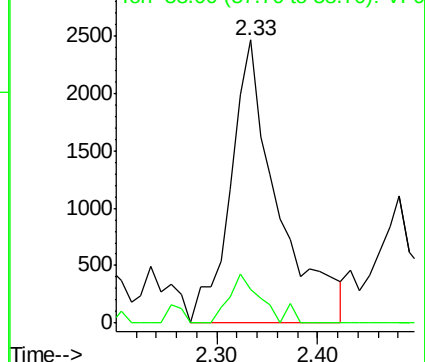
43 100

58 11.8 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#18

Methyl Acetate

Concen: 2.287 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.03 min

Lab File: VF059296.D

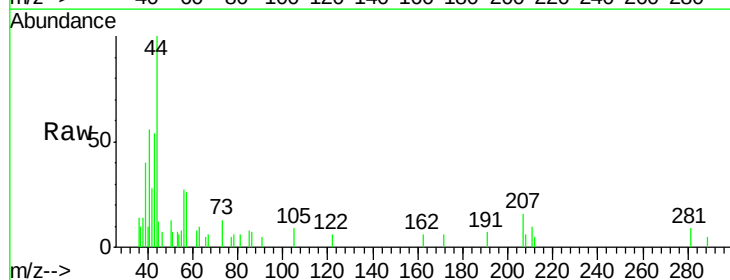
Acq: 23 Jun 2018 1:38

Tgt Ion: 43 Resp: 2523

Ion Ratio Lower Upper

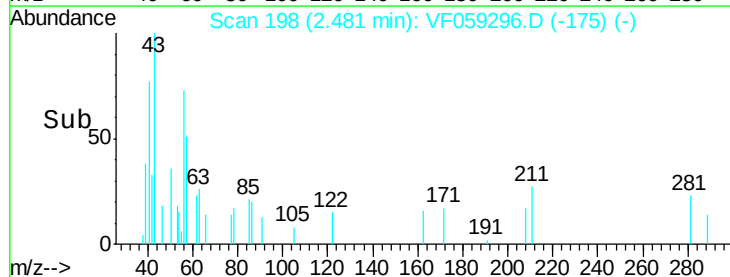
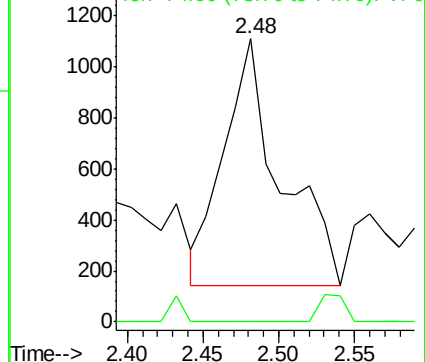
43 100

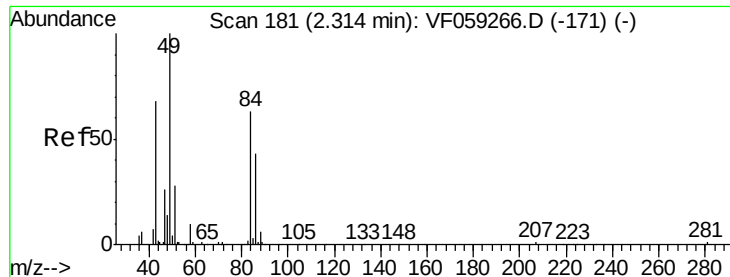
74 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

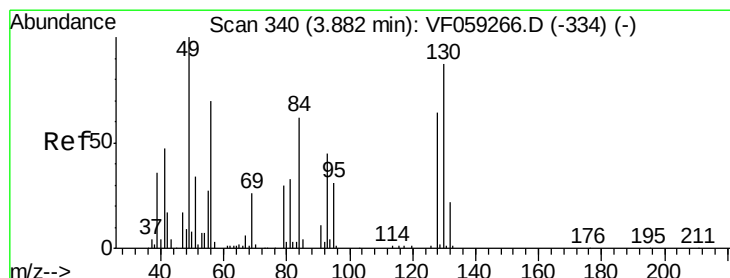
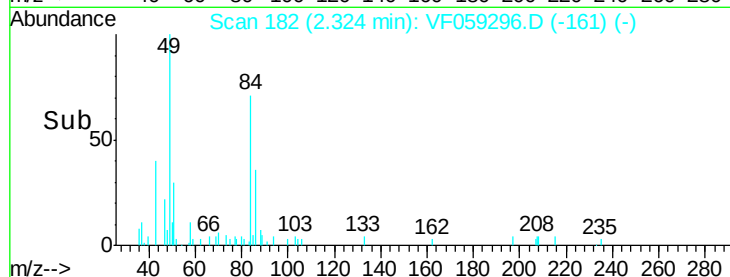
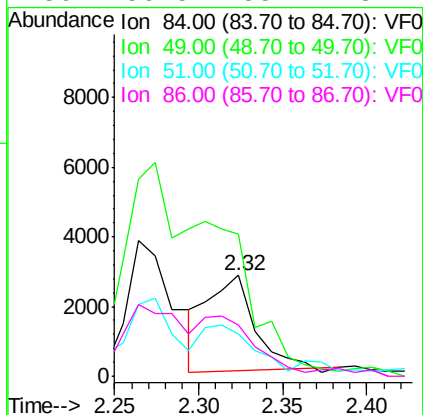
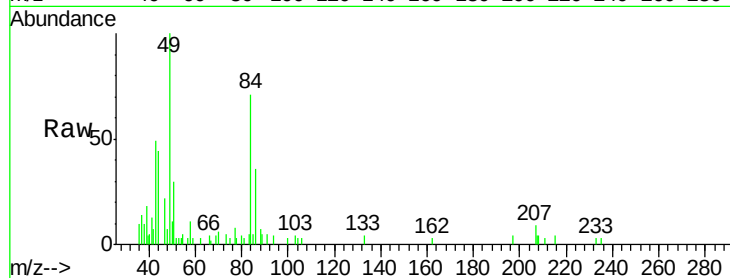




#20
Methylene Chloride
Concen: 2.730 ug/l
RT: 2.32 min Scan# 182
Delta R.T. 0.01 min
Lab File: VF059296.D
Acq: 23 Jun 2018 1:38

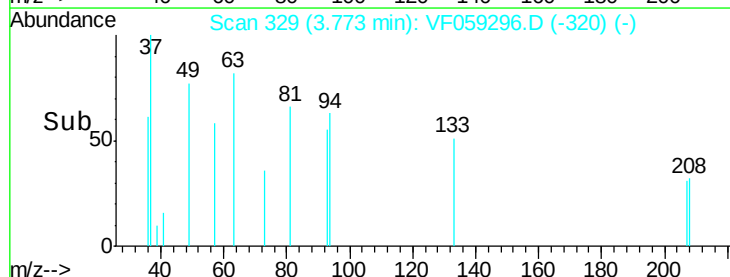
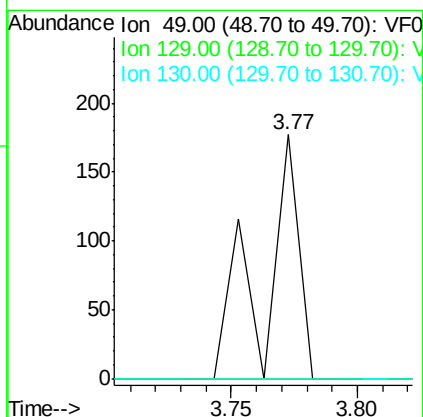
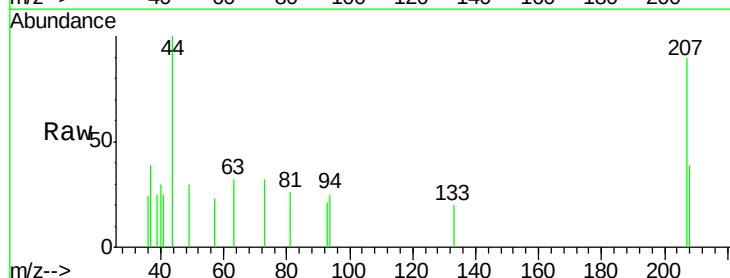
Instrument :
MSVOA_F
ClientSampleId :
S-5(6.5-7)

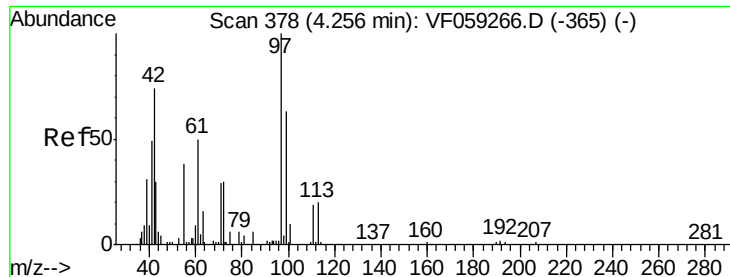
Tgt Ion: 84 Resp: 5403
Ion Ratio Lower Upper
84 100
49 140.6 130.0 195.0
51 42.4 36.6 55.0
86 50.5 55.1 82.7#



#28
Bromochloromethane
Concen: Below Cal
RT: 3.77 min Scan# 329
Delta R.T. -0.11 min
Lab File: VF059296.D
Acq: 23 Jun 2018 1:38

Tgt Ion: 49 Resp: 173
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 69.4 104.2#





#29

Tetrahydrofuran

Concen: 1.849 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.01 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

Instrument :

MSVOA_F

ClientSampleId :

S-5(6.5-7)

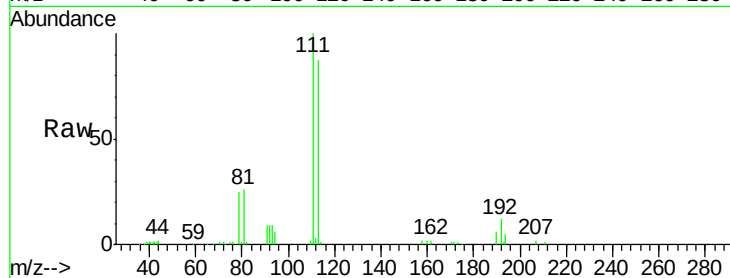
Tgt Ion: 42 Resp: 648

Ion Ratio Lower Upper

42 100

72 13.4 31.2 46.8#

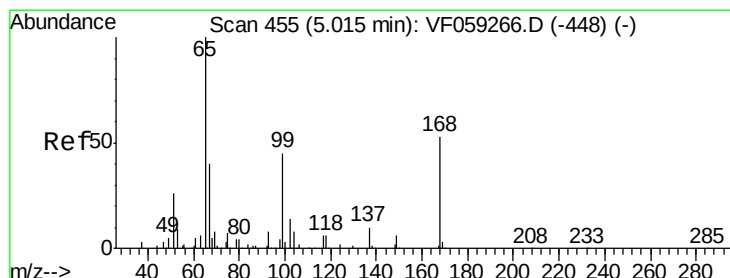
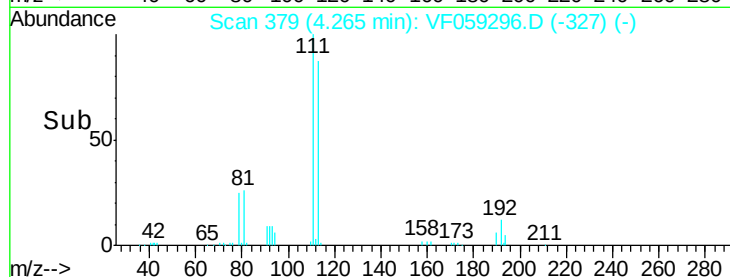
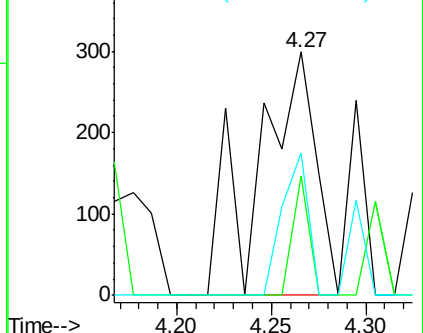
71 25.9 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 53.507 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.00 min

Lab File: VF059296.D

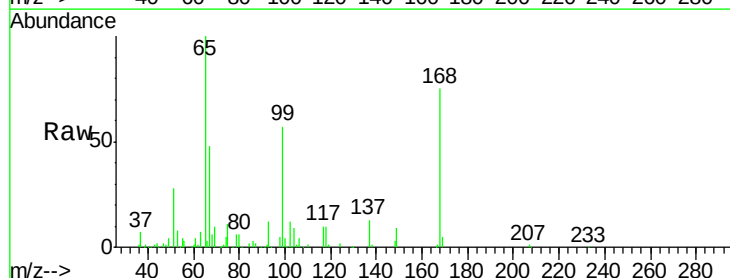
Acq: 23 Jun 2018 1:38

Tgt Ion: 65 Resp: 132471

Ion Ratio Lower Upper

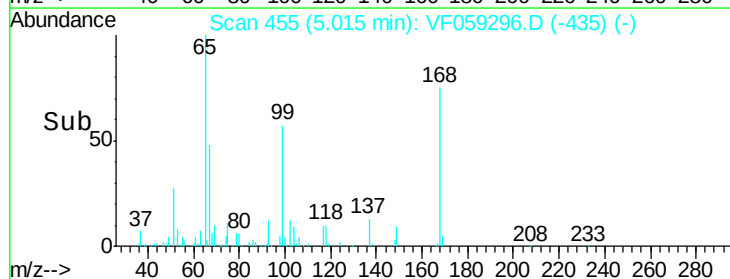
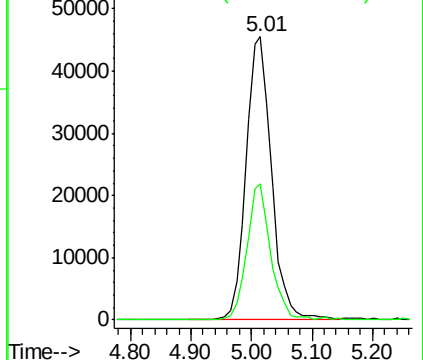
65 100

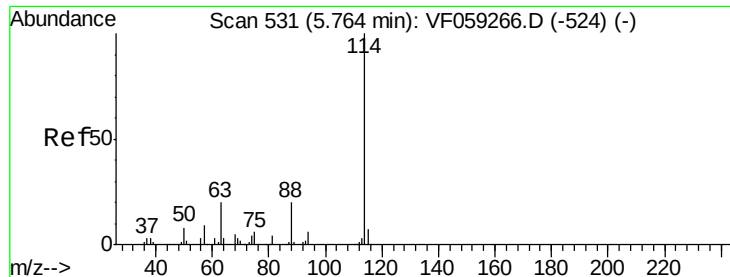
67 48.1 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

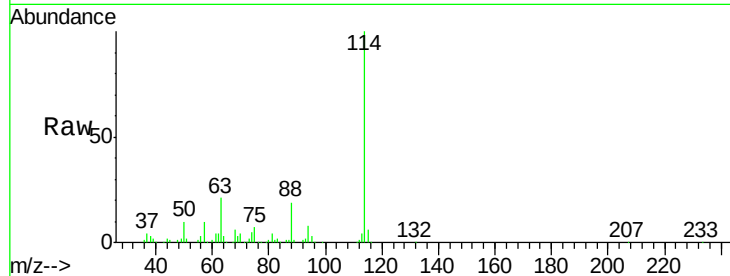




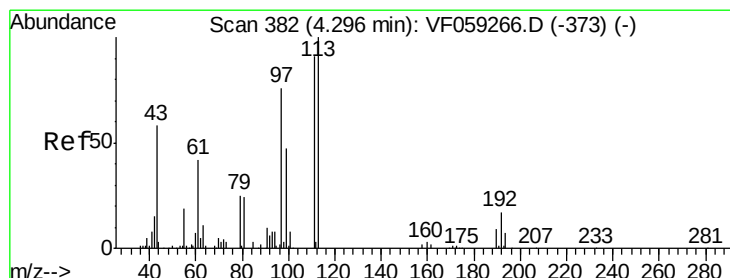
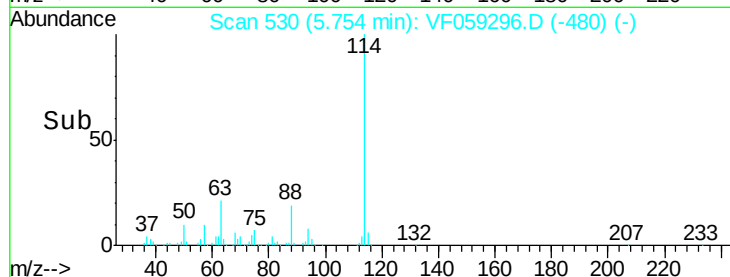
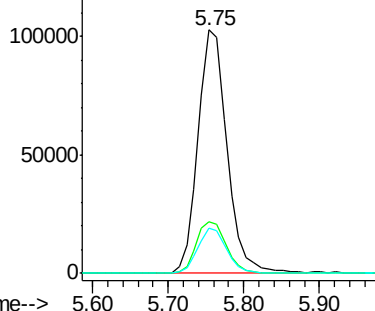
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059296.D
 Acq: 23 Jun 2018 1:38

Instrument :
 MSVOA_F
 ClientSampleId :
 S-5(6.5-7)

Tgt Ion:114 Resp: 272686
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.0
 88 18.7 0.0 39.6

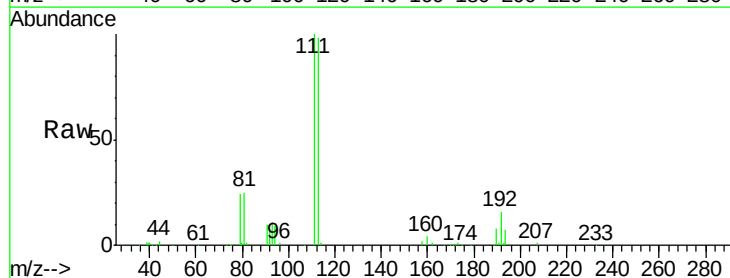


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

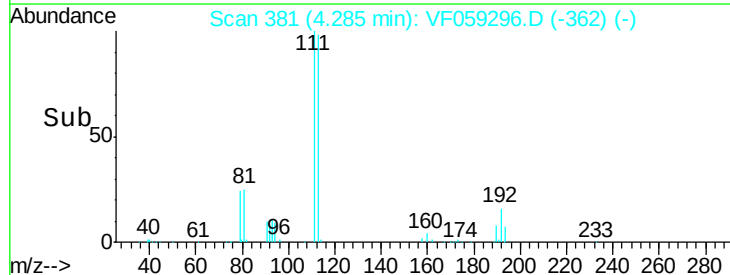
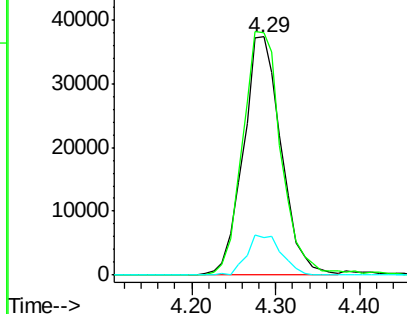


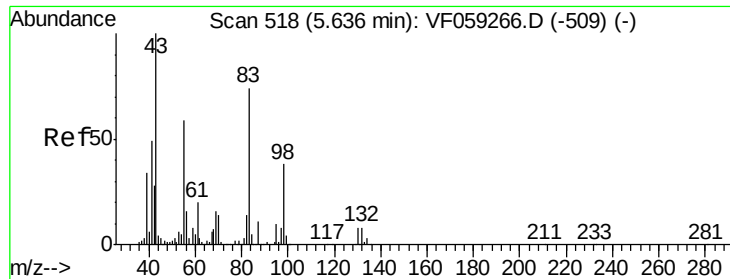
#35
 Dibromofluoromethane
 Concen: 51.478 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059296.D
 Acq: 23 Jun 2018 1:38

Tgt Ion:113 Resp: 118103
 Ion Ratio Lower Upper
 113 100
 111 101.6 73.1 109.7
 192 15.8 13.9 20.9



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: 1.918 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.13 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

Instrument :

MSVOA_F

ClientSampleId :

S-5(6.5-7)

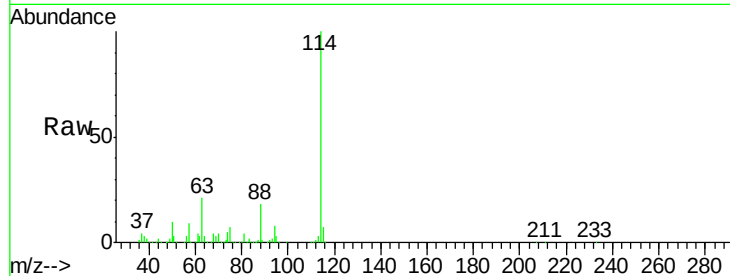
Tgt Ion: 83 Resp: 4918

Ion Ratio Lower Upper

83 100

55 25.9 63.7 95.5#

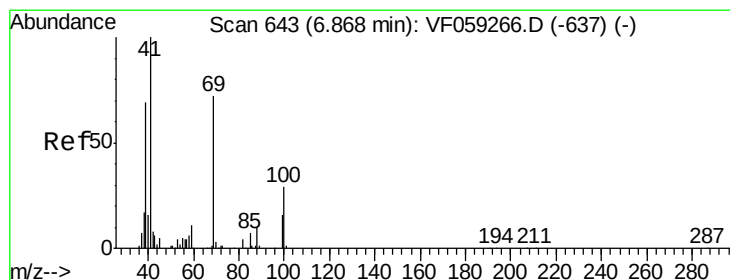
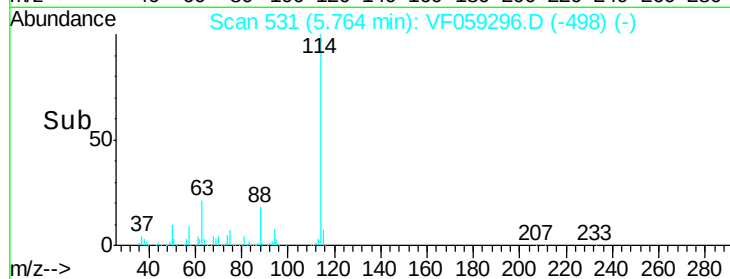
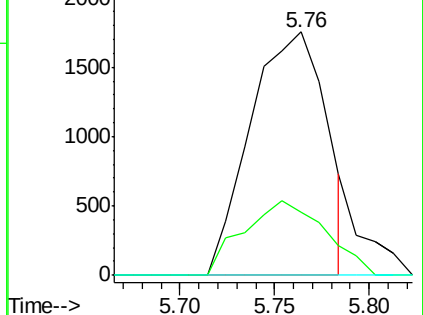
98 0.0 41.6 62.4#



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: 8.740 ug/l

RT: 6.60 min Scan# 616

Delta R.T. -0.27 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

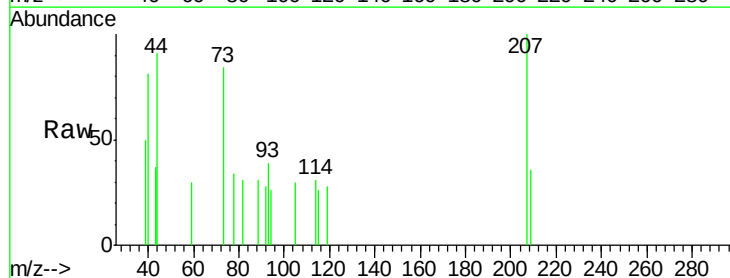
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 232.0 55.5 83.3#

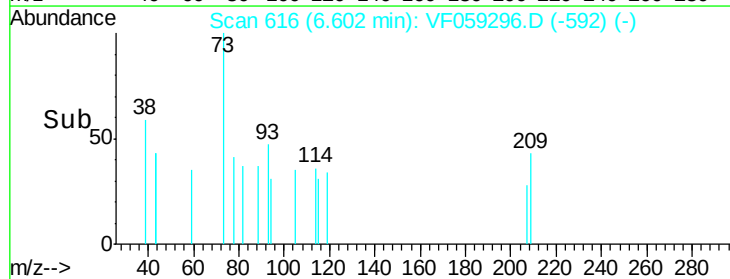
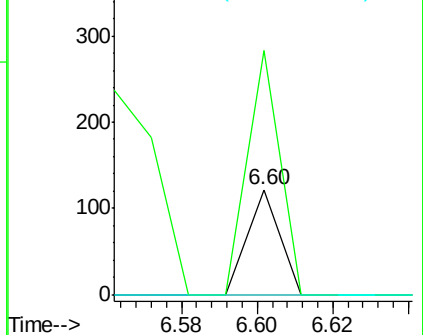
58 0.0 50.1 75.1#

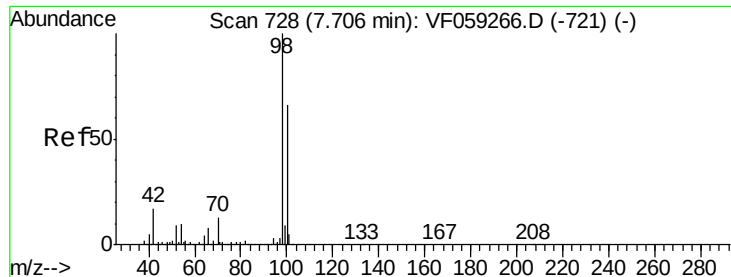


Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

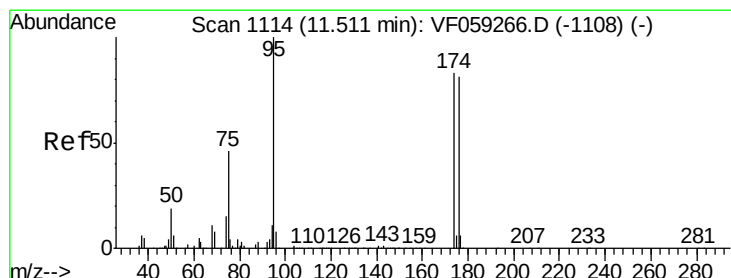
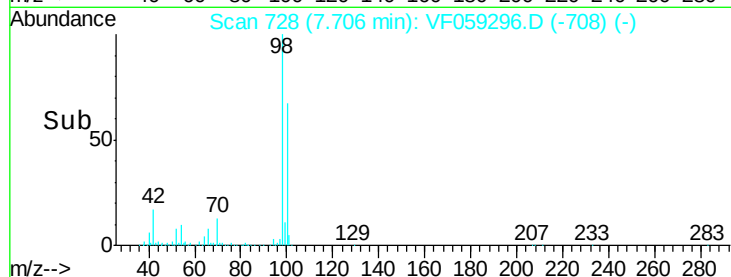
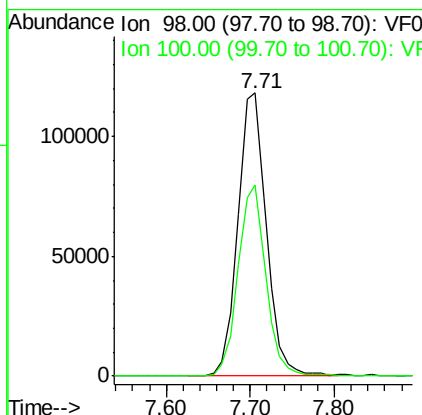
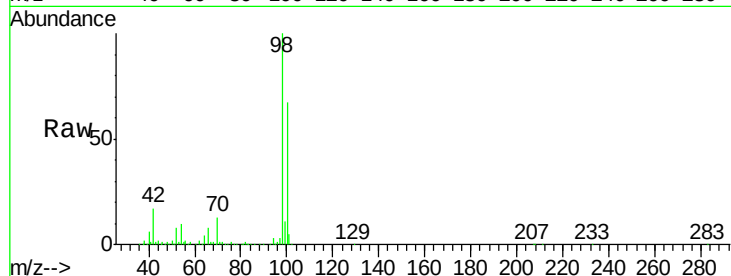




#50
Toluene-d8
Concen: 47.698 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059296.D
Acq: 23 Jun 2018 1:38

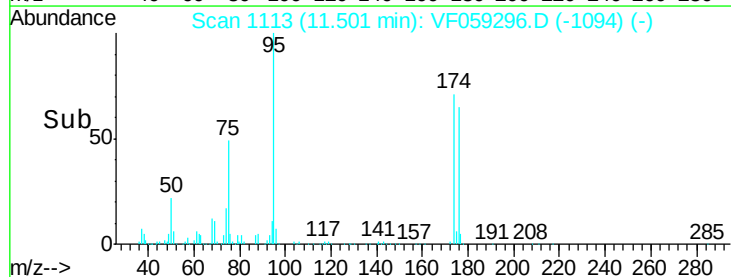
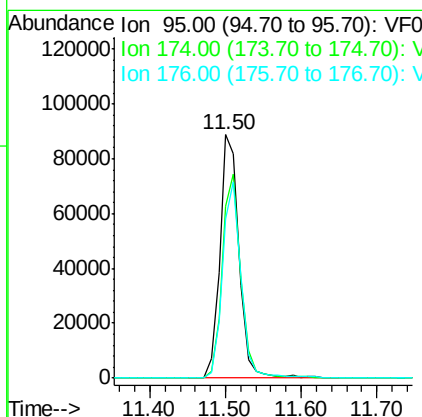
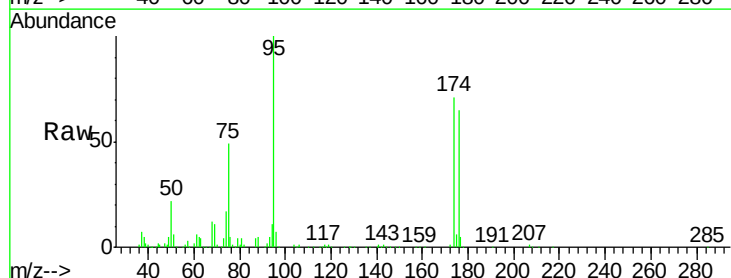
Instrument :
MSVOA_F
ClientSampleId :
S-5(6.5-7)

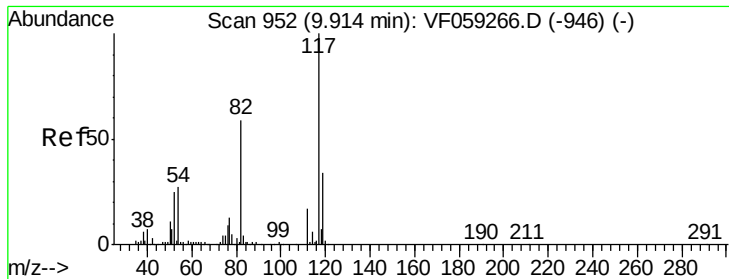
Tgt Ion: 98 Resp: 278352
Ion Ratio Lower Upper
98 100
100 67.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.706 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059296.D
Acq: 23 Jun 2018 1:38

Tgt Ion: 95 Resp: 157615
Ion Ratio Lower Upper
95 100
174 70.7 0.0 166.2
176 65.2 0.0 162.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

Instrument :

MSVOA_F

ClientSampleId :

S-5(6.5-7)

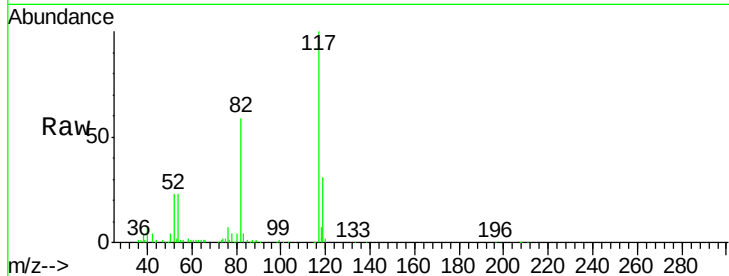
Tgt Ion:117 Resp: 283990

Ion Ratio Lower Upper

117 100

82 59.0 47.1 70.7

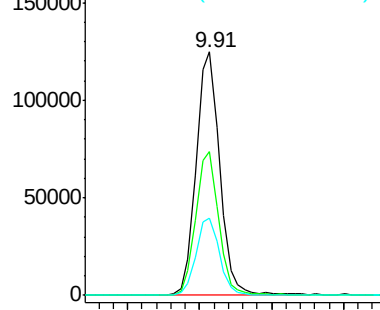
119 31.5 26.9 40.3



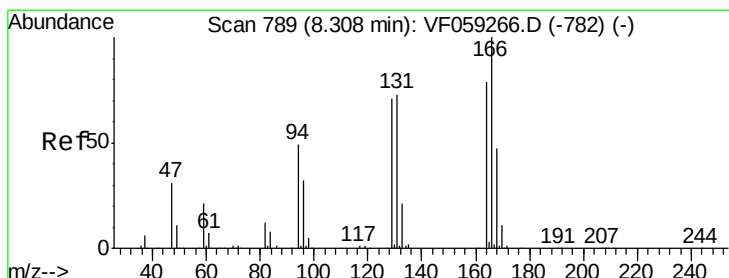
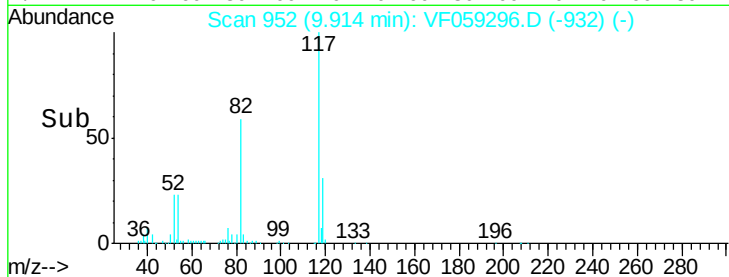
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#64

Tetrachloroethene

Concen: 9.359 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF059296.D

Acq: 23 Jun 2018 1:38

Tgt Ion:164 Resp: 20413

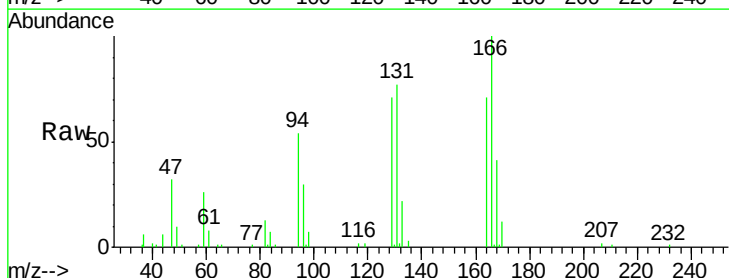
Ion Ratio Lower Upper

164 100

166 141.8 101.4 152.2

129 100.2 72.2 108.4

131 109.3 73.8 110.6

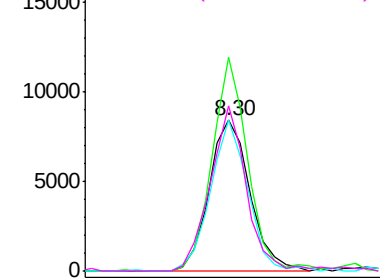


Abundance Ion 163.85 (163.55 to 164.55): V

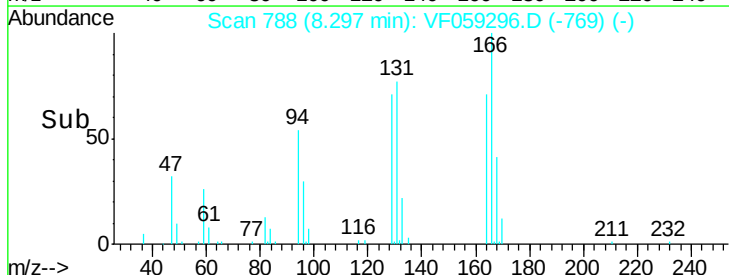
Ion 165.80 (165.50 to 166.50): V

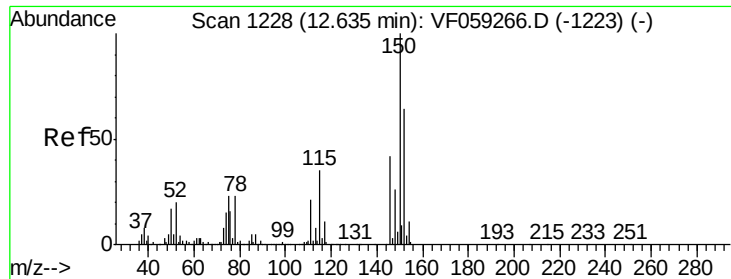
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



Time-->



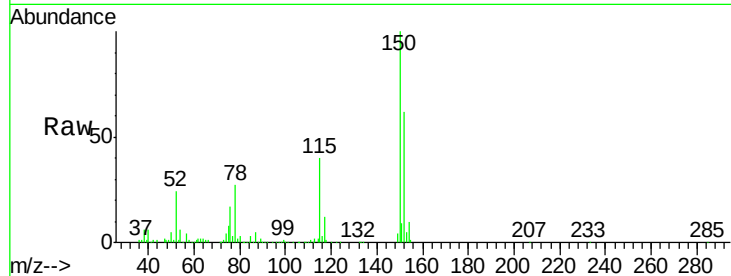


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059296.D
 Acq: 23 Jun 2018 1:38

Instrument :
 MSVOA_F
 ClientSampleId :
 S-5(6.5-7)

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	27.8	83.3
150	161.8	0.0	313.8



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

