

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022819\
 Data File : VF061797.D
 Acq On : 28 Feb 2019 19:48
 Operator : VA/AP
 Sample : K1649-01
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TRE-INTERIOR-WALL

Quant Time: Mar 01 00:20:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	141392	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	469304	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	409928	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	228301	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	115680	111.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	223.14%	
35) Dibromofluoromethane	4.10	113	139081	39.91	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	79.82%	
50) Toluene-d8	7.54	98	384975	38.43	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	76.86%	
62) 4-Bromofluorobenzene	11.40	95	180160	44.44	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	88.88%	

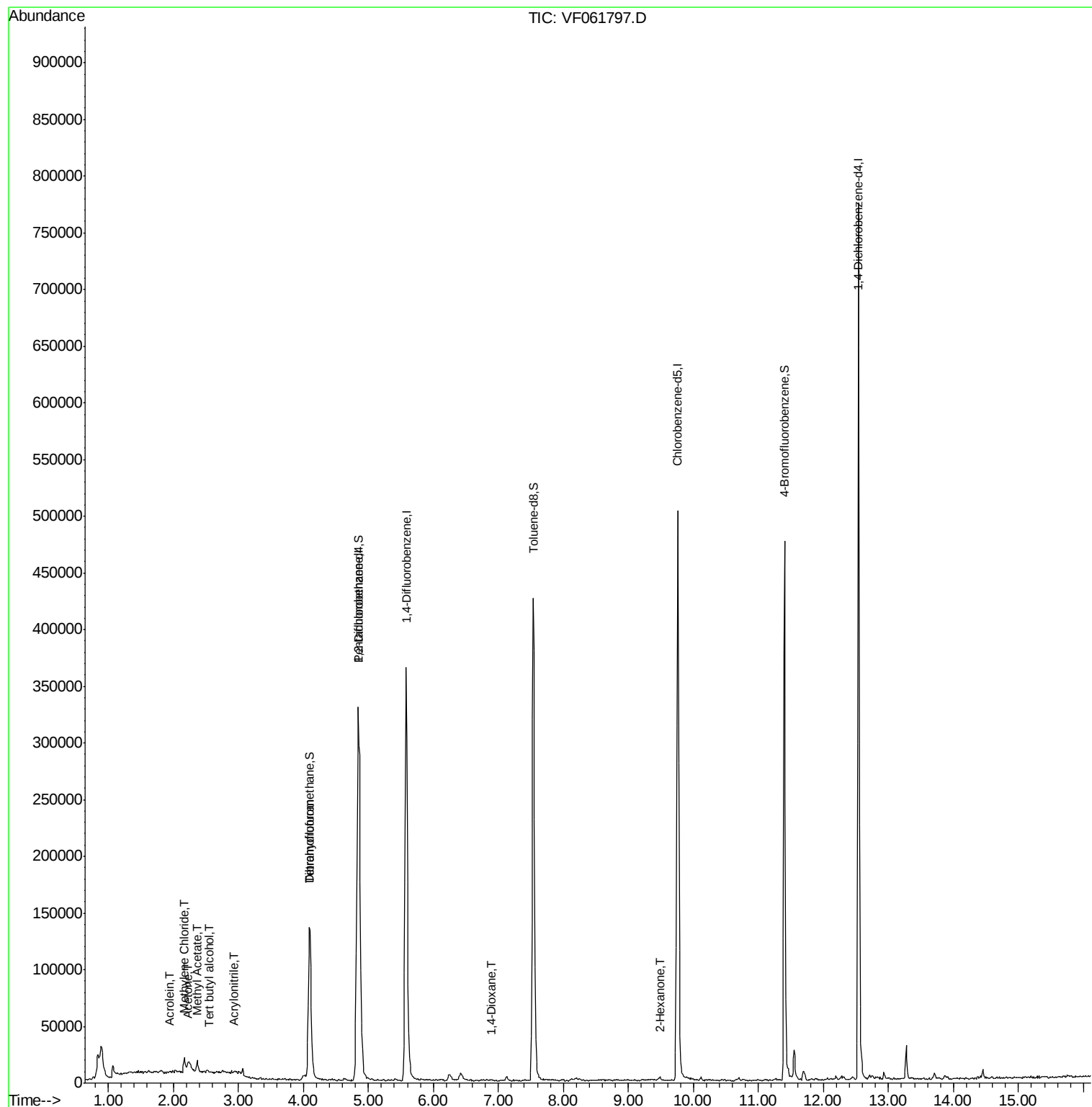
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.57	59	165	2.750	ug/l #	1
13) Acrolein	1.95	56	330	4.376	ug/l	84
15) Acrylonitrile	2.93	53	516	2.424	ug/l #	9
16) Acetone	2.21	43	5867	26.373	ug/l #	46
18) Methyl Acetate	2.37	43	5257	10.490	ug/l #	59
20) Methylene Chloride	2.17	84	5284	2.014	ug/l	96
29) Tetrahydrofuran	4.08	42	311	1.408	ug/l #	33
49) 1,4-Dioxane	6.90	88	70	4.841	ug/l #	1
59) 2-Hexanone	9.48	43	1953	1.526	ug/l #	44

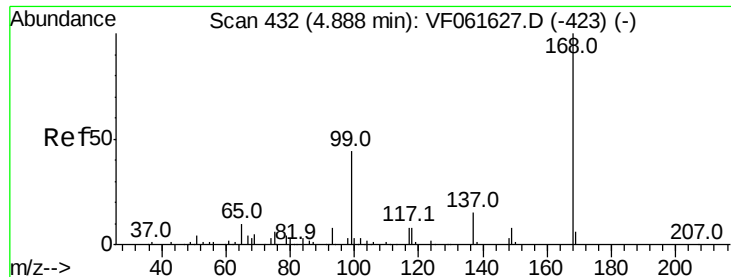
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

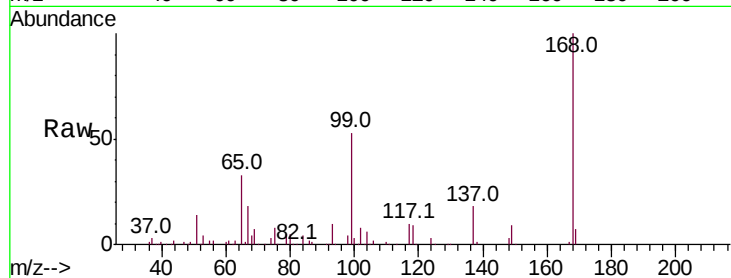
TRE-INTERIOR-WALL

Tot Ion:168 Resp: 141392

Ion Ratio Lower Upper

168 100

99 53.0 34.9 52.3#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

60000

40000

20000

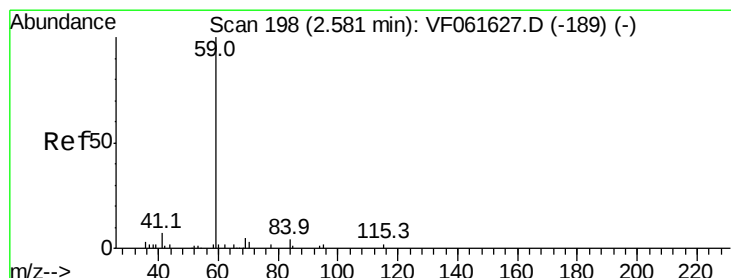
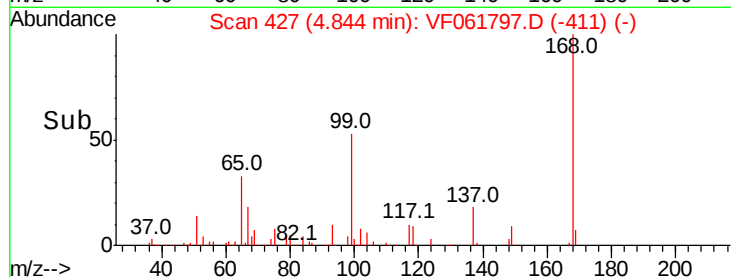
0

4.75

4.80

4.85

Time-->



#11

Tert butyl alcohol

Concen: 2.750 ug/l

RT: 2.57 min Scan# 196

Delta R.T. -0.01 min

Lab File: VF061797.D

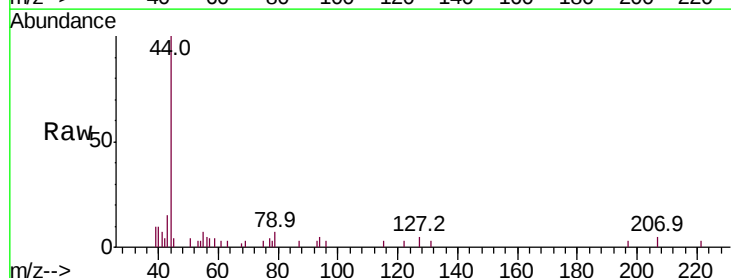
Acq: 28 Feb 2019 19:48

Tgt Ion: 59 Resp: 165

Ion Ratio Lower Upper

59 100

57 102.9 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

200

150

100

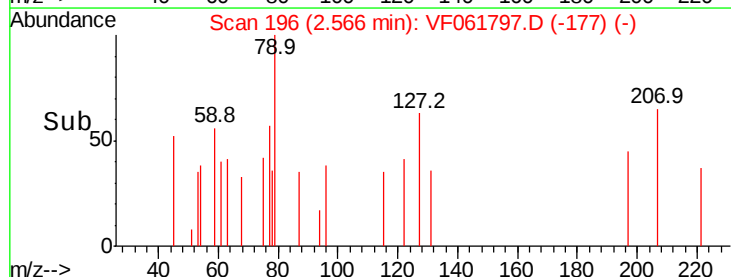
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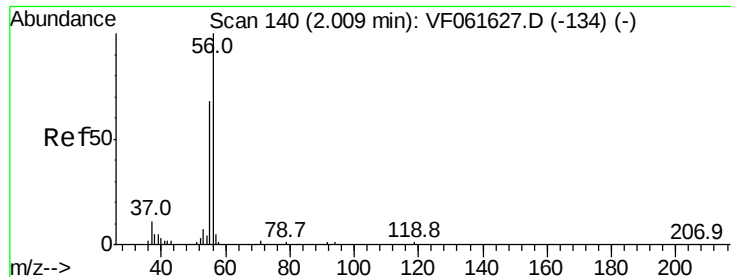
0

2.55

2.60

Time-->





#13

Acrolein

Concen: 4.376 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.05 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

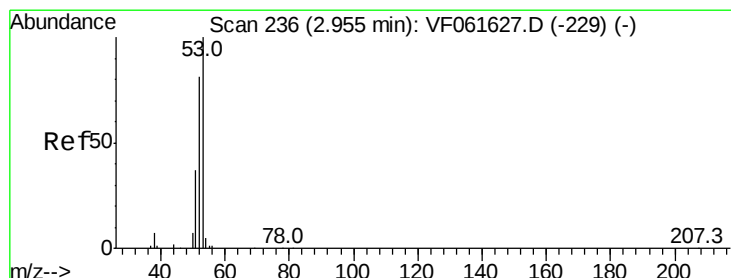
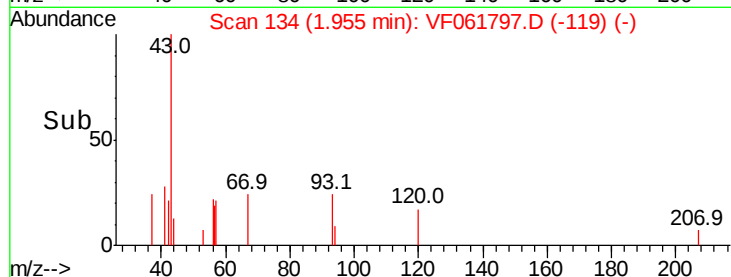
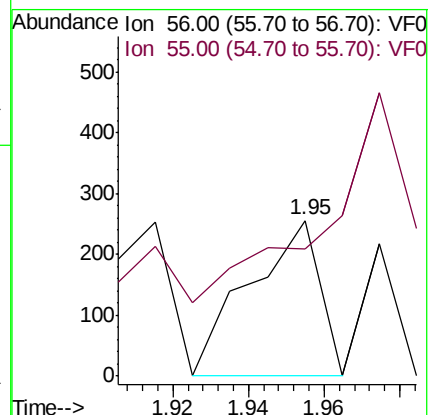
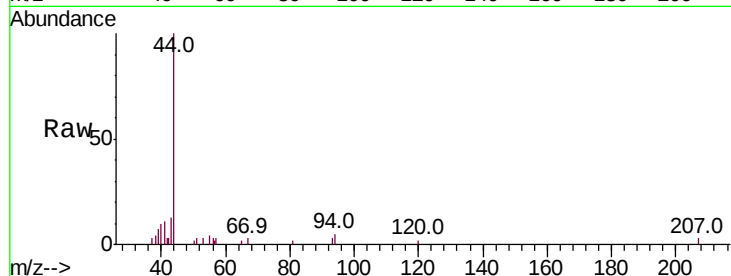
TRE-INTERIOR-WALL

Tot Ion: 56 Resp: 330

Ion Ratio Lower Upper

56 100

55 82.0 55.0 82.6



#15

Acrylonitrile

Concen: 2.424 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.02 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

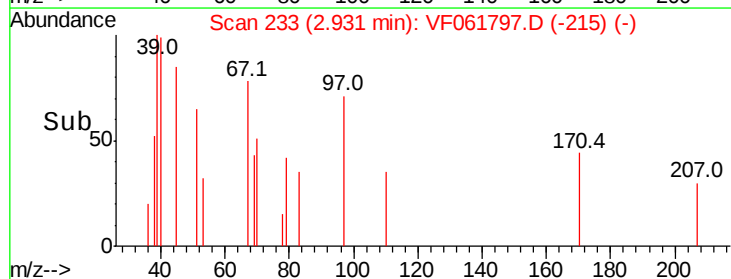
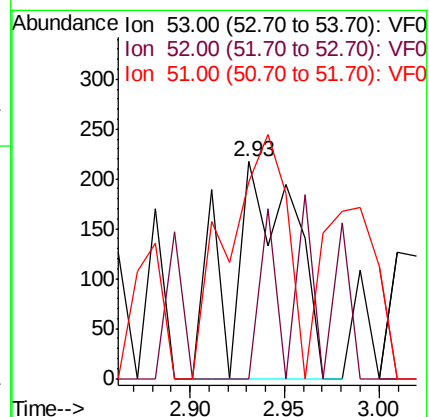
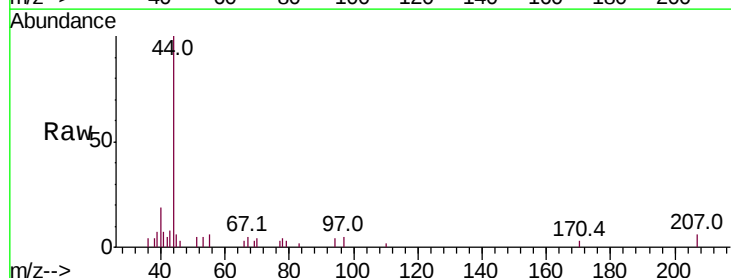
Tgt Ion: 53 Resp: 516

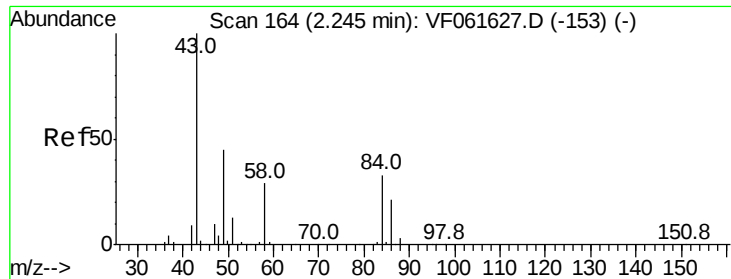
Ion Ratio Lower Upper

53 100

52 0.0 64.6 97.0#

51 90.8 29.8 44.8#





#16

Acetone

Concen: 26.373 ug/l

RT: 2.21 min Scan# 160

Delta R.T. -0.03 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

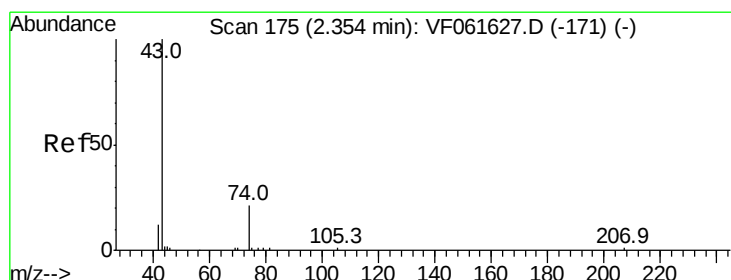
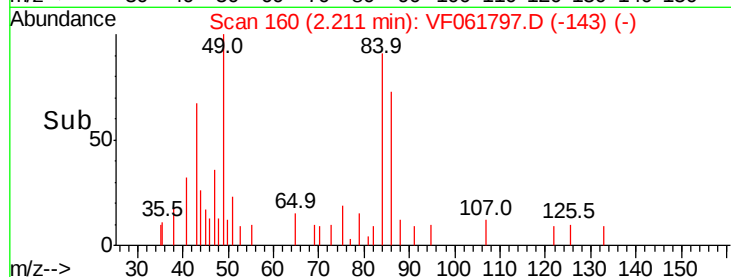
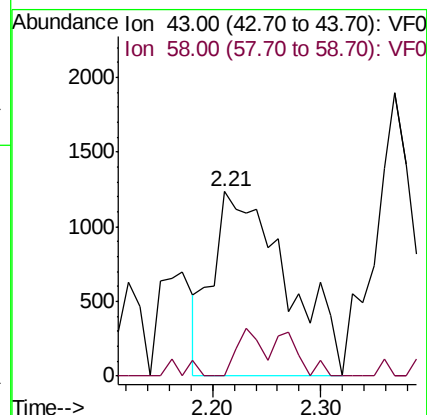
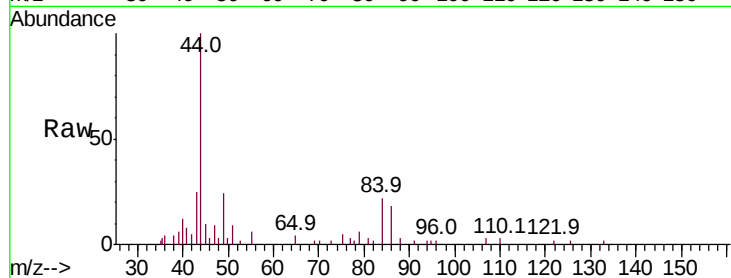
TRE-INTERIOR-WALL

Tot Ion: 43 Resp: 5867

Ion Ratio Lower Upper

43 100

58 0.0 22.9 34.3#



#18

Methyl Acetate

Concen: 10.490 ug/l

RT: 2.37 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF061797.D

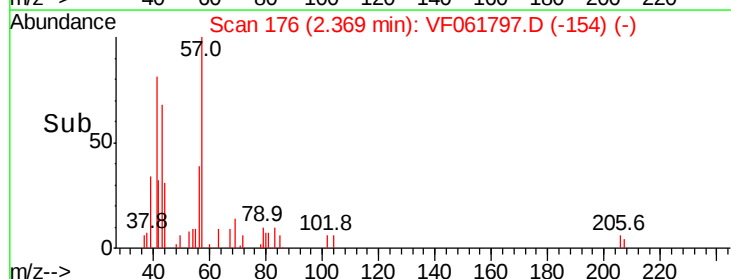
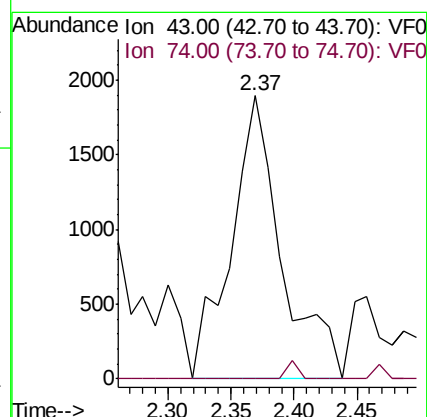
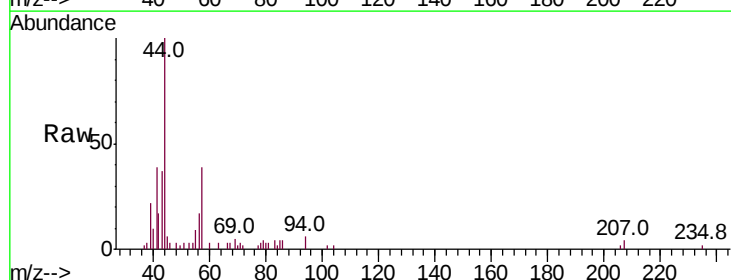
Acq: 28 Feb 2019 19:48

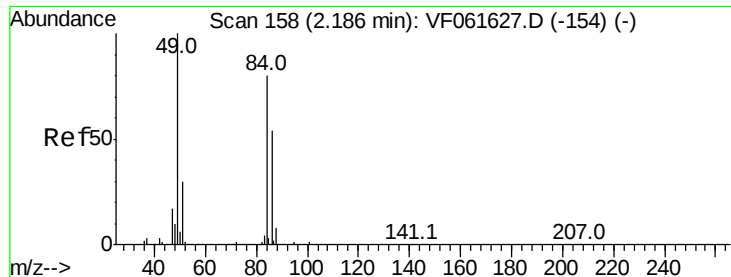
Tgt Ion: 43 Resp: 5257

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#

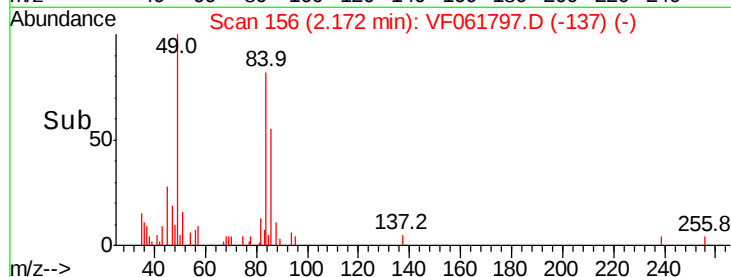
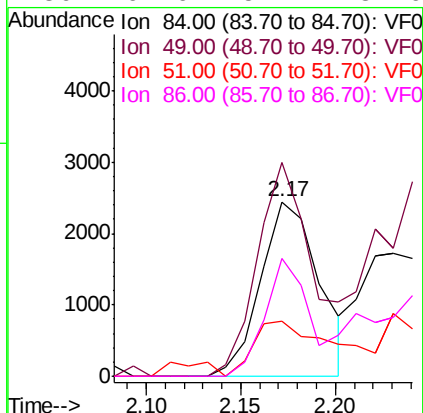
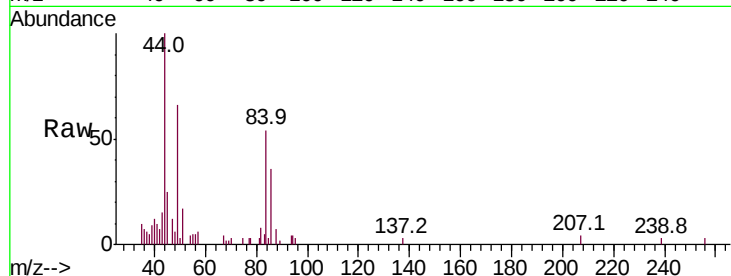




#20
Methylene Chloride
Concen: 2.014 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.01 min
Lab File: VF061797.D
Acq: 28 Feb 2019 19:48

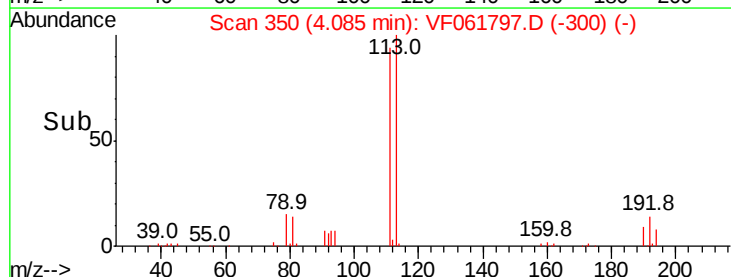
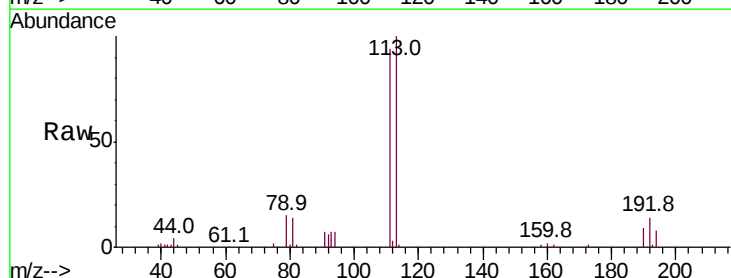
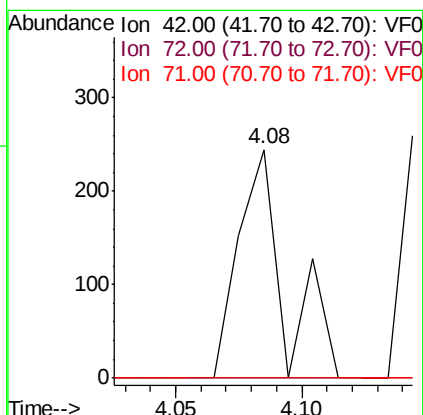
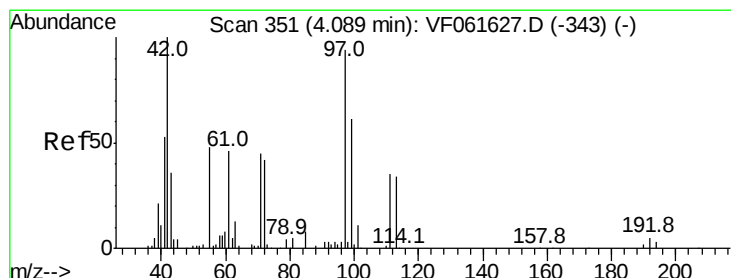
Instrument :
MSVOA_F
ClientSampleId :
TRE-INTERIOR-WALL

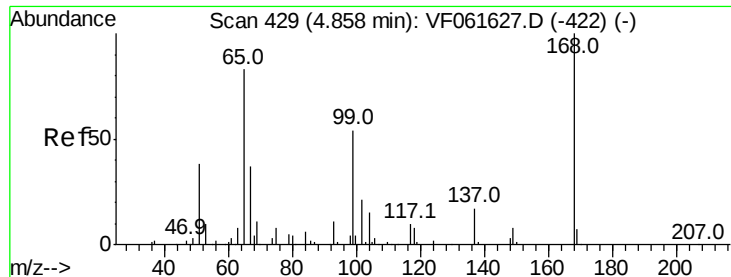
Tot Ion:	84	Resp:	5284
Ion	Ratio	Lower	Upper
84	100		
49	122.4	101.8	152.8
51	31.7	31.1	46.7
86	67.6	54.4	81.6



#29
Tetrahydrofuran
Concen: 1.408 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.00 min
Lab File: VF061797.D
Acq: 28 Feb 2019 19:48

Tgt Ion:	42	Resp:	311
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.2	52.8#
71	0.0	32.9	49.3#





#33

1,2-Dichloroethane-d4

Concen: 111.569 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

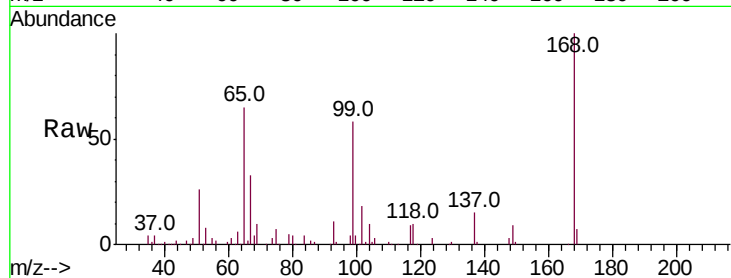
TRE-INTERIOR-WALL

Tot Ion: 65 Resp: 115680

Ion Ratio Lower Upper

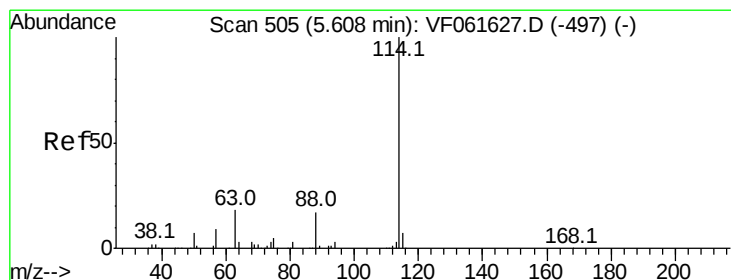
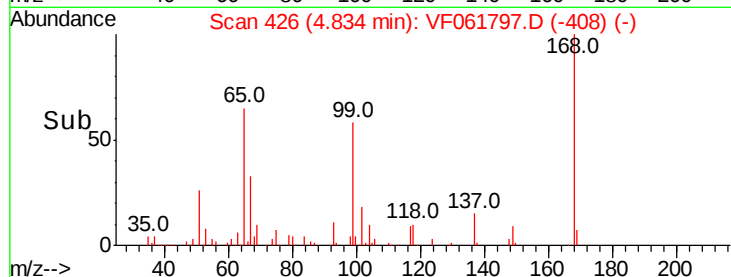
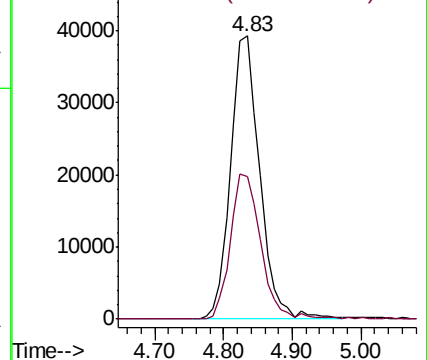
65 100

67 50.5 0.0 104.0



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: 5.58 min Scan# 502

Delta R.T. -0.02 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

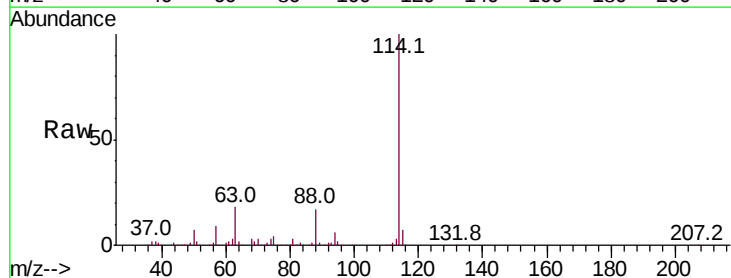
Tgt Ion: 114 Resp: 469304

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.6

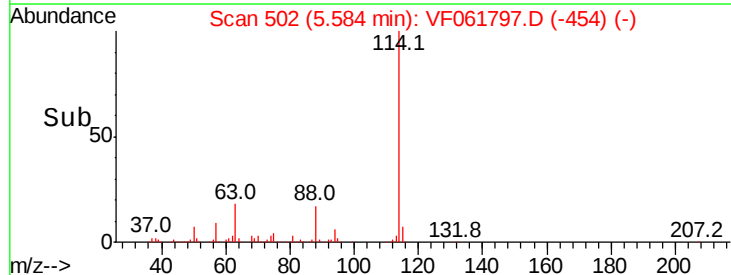
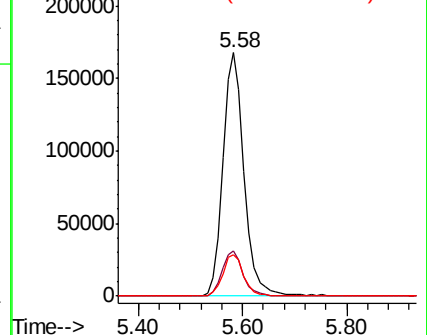
88 17.1 0.0 34.4

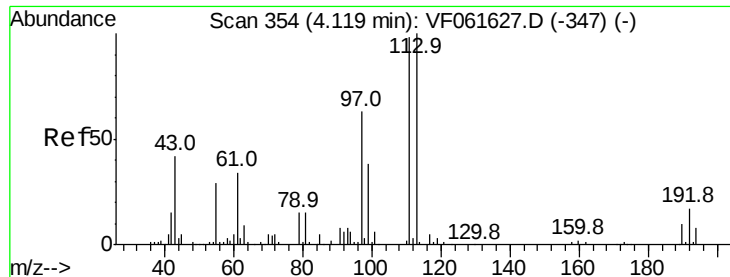


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 39.907 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :
MSVOA_F
ClientSampleId :
TRE-INTERIOR-WALL

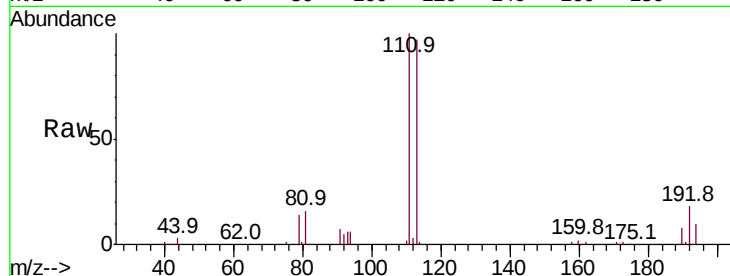
Tot Ion:113 Resp: 139081

Ion Ratio Lower Upper

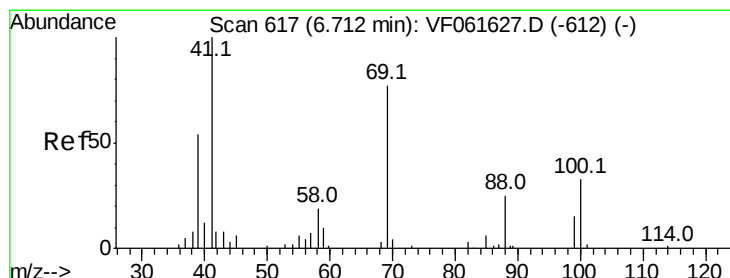
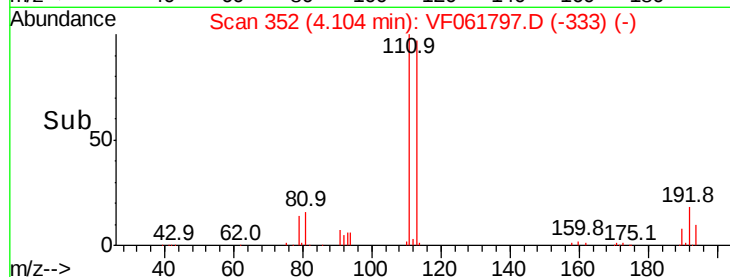
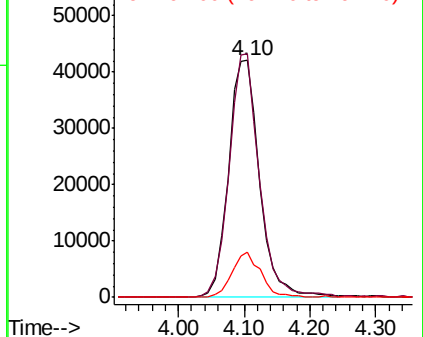
113 100

111 102.8 78.8 118.2

192 18.9 13.4 20.0



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



#49

1,4-Dioxane

Concen: 4.841 ug/l

RT: 6.90 min Scan# 636

Delta R.T. 0.19 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

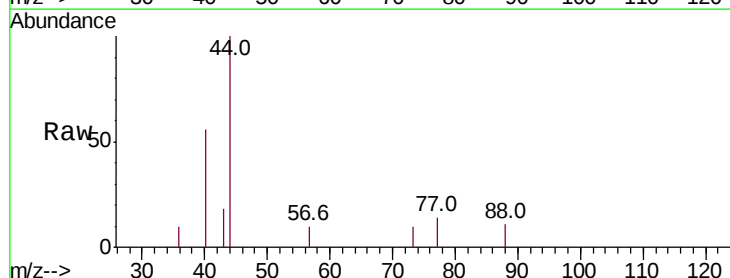
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

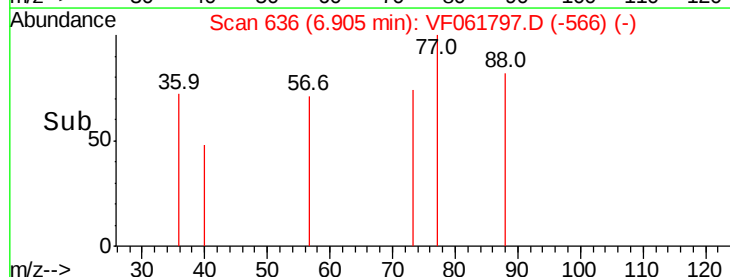
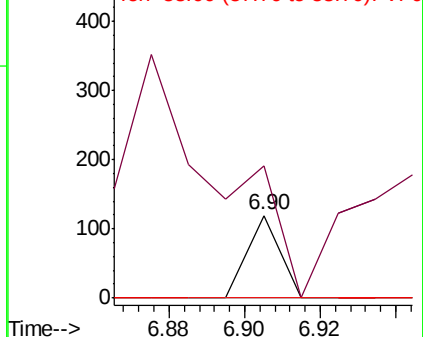
88 100

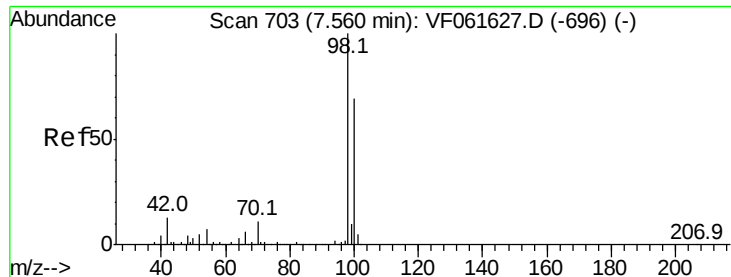
43 160.5 32.3 48.5#

58 0.0 59.4 89.2#



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: 38.426 ug/l

RT: 7.54 min Scan# 700

Delta R.T. -0.02 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :

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ClientSampleId :

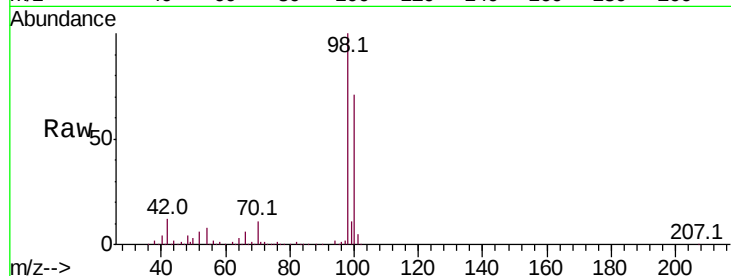
TRE-INTERIOR-WALL

Tot Ion: 98 Resp: 384975

Ion Ratio Lower Upper

98 100

100 71.1 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.54

150000

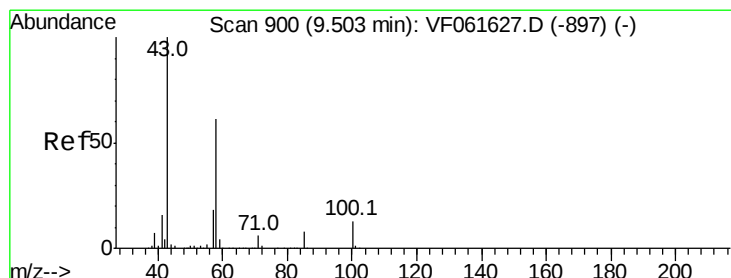
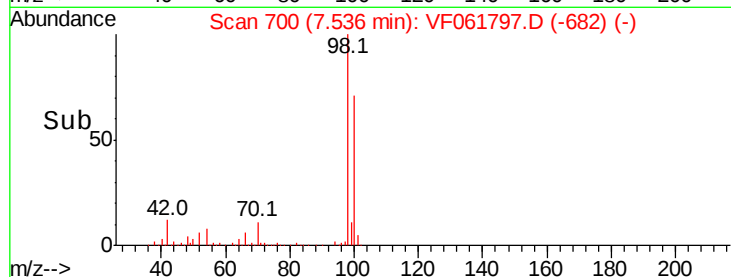
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#59

2-Hexanone

Concen: 1.526 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.02 min

Lab File: VF061797.D

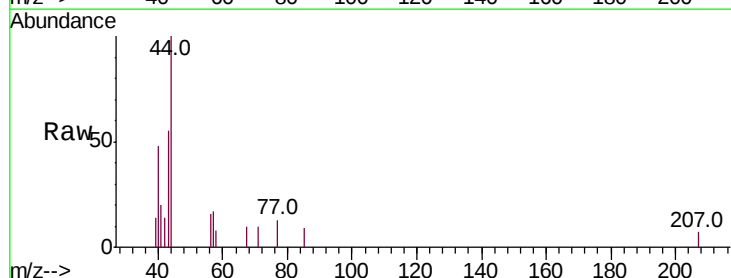
Acq: 28 Feb 2019 19:48

Tgt Ion: 43 Resp: 1953

Ion Ratio Lower Upper

43 100

58 15.5 28.5 85.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.48

800

600

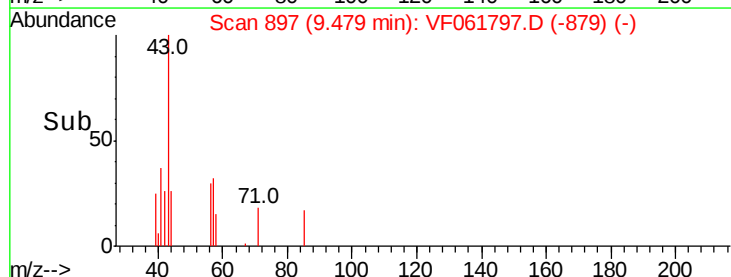
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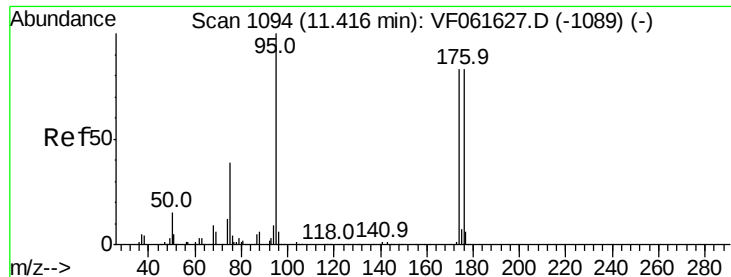
200

0

Time-->

9.40 9.45 9.50 9.55





#62

4-Bromofluorobenzene

Concen: 44.443 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

Instrument :

MSVOA_F

ClientSampleId :

TRE-INTERIOR-WALL

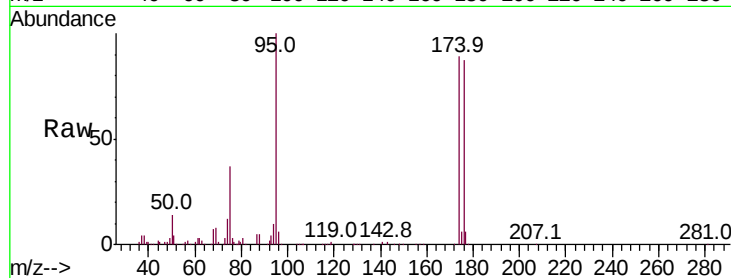
Tot Ion: 95 Resp: 180160

Ion Ratio Lower Upper

95 100

174 89.1 0.0 165.8

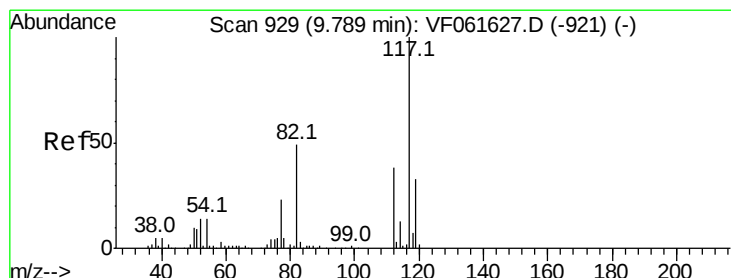
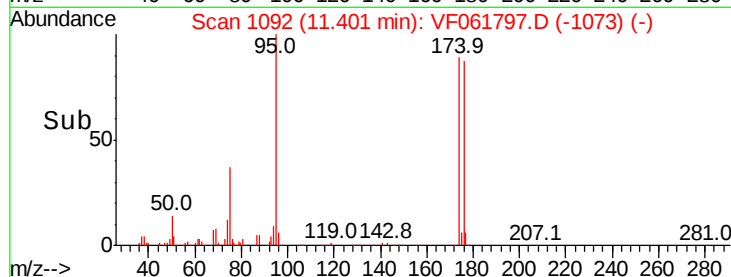
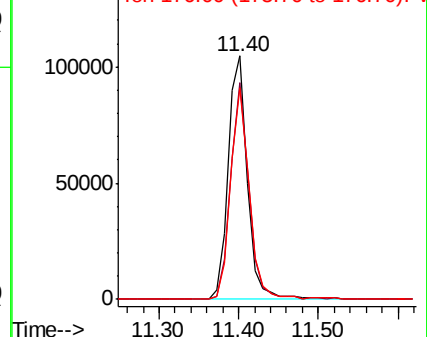
176 86.9 0.0 167.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.02 min

Lab File: VF061797.D

Acq: 28 Feb 2019 19:48

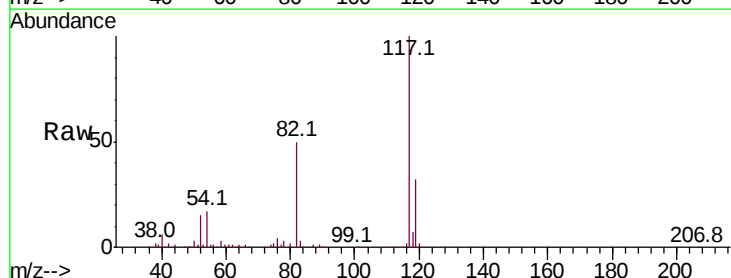
Tgt Ion: 117 Resp: 409928

Ion Ratio Lower Upper

117 100

82 49.8 39.3 58.9

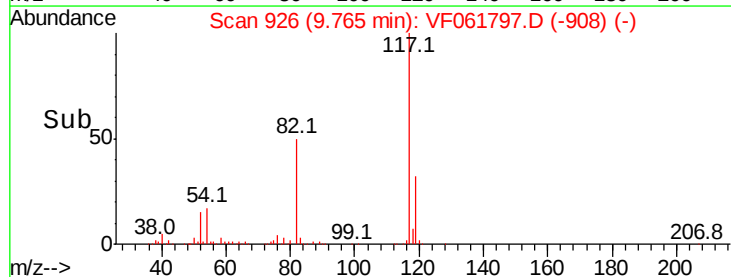
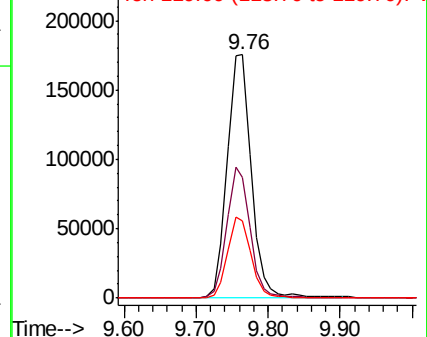
119 32.0 26.6 40.0

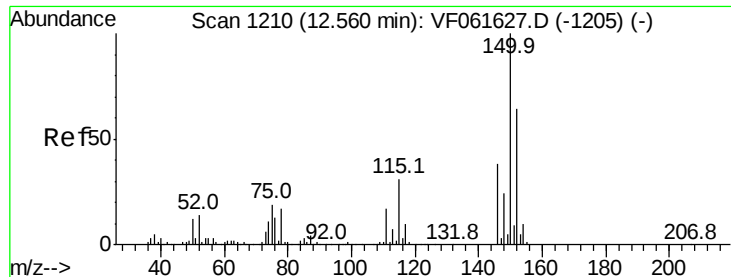


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0





#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.54 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: VF061797.D
 Acq: 28 Feb 2019 19:48

Instrument :
 MSVOA_F
 ClientSampleId :
 TRE-INTERIOR-WALL

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	24.3	72.8
150	150.4	0.0	312.0

