

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011719\
 Data File : VF061448.D
 Acq On : 17 Jan 2019 16:53
 Operator : VA/AP
 Sample : K1188-02
 Misc : 6.81g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S2-FRONT-HOUSE-7

Quant Time: Jan 18 03:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	190722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	347564	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	282208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	111439	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	142532	60.53	ug/l	0.00
Spiked Amount			Recovery	=	121.06%	
35) Dibromofluoromethane	4.10	113	162288	59.17	ug/l	0.00
Spiked Amount			Recovery	=	118.34%	
50) Toluene-d8	7.53	98	403032	53.64	ug/l	-0.01
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.40	95	161583	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	

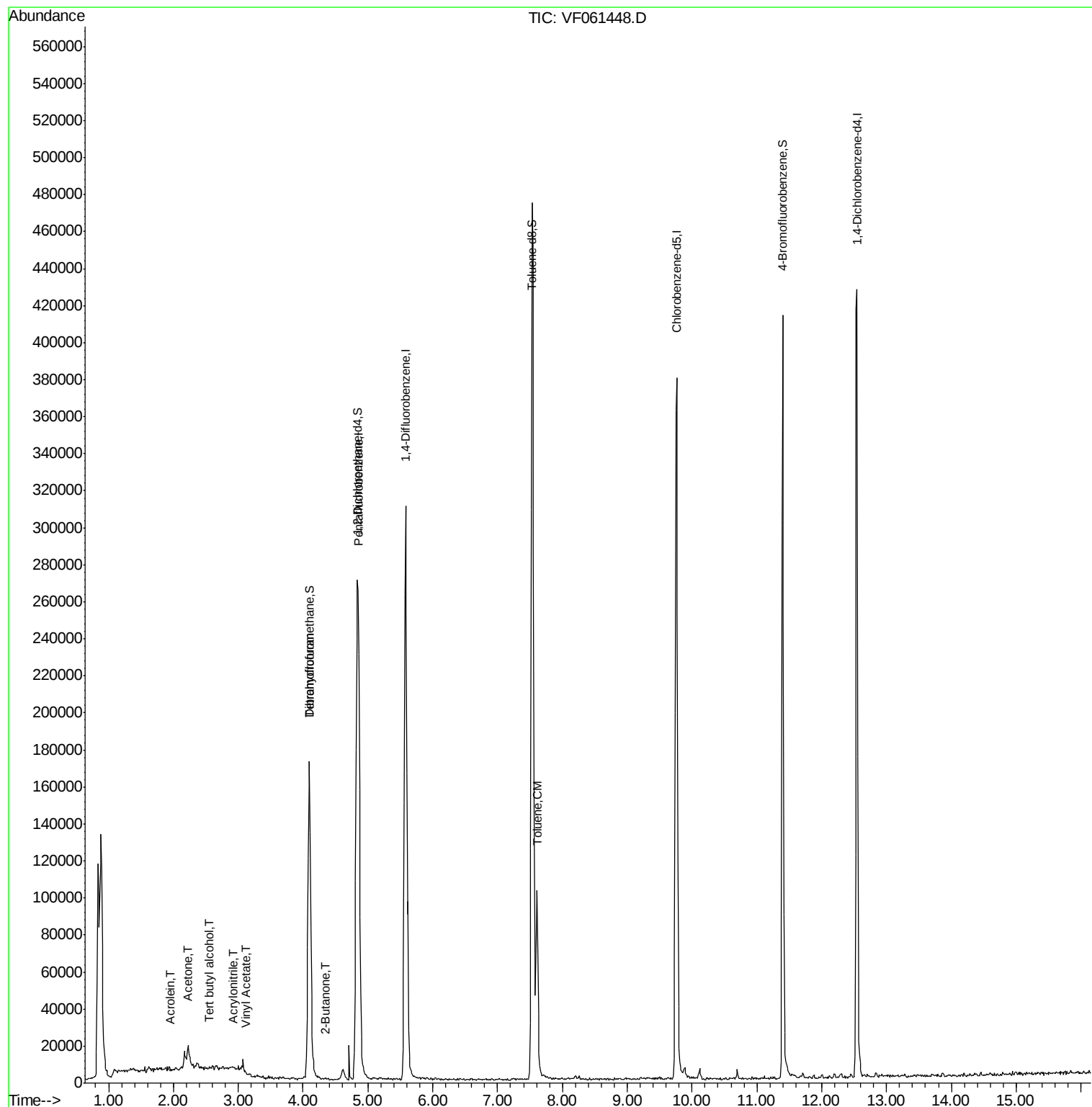
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.55	59	187	1.876	ug/l #	64
13) Acrolein	1.97	56	91	11.353	ug/l	98
14) Allyl chloride	2.03	41	450	Below Cal	#	45
15) Acrylonitrile	2.94	53	314	1.230	ug/l #	38
16) Acetone	2.23	43	5568	11.787	ug/l	94
23) Vinyl Acetate	3.12	43	331	3.317	ug/l #	78
25) 2-Butanone	4.33	43	981	1.249	ug/l #	57
29) Tetrahydrofuran	4.09	42	587	1.735	ug/l #	38
49) 1,4-Dioxane	6.51	88	74	Below Cal	#	13
52) Toluene	7.61	92	56080	9.497	ug/l	95

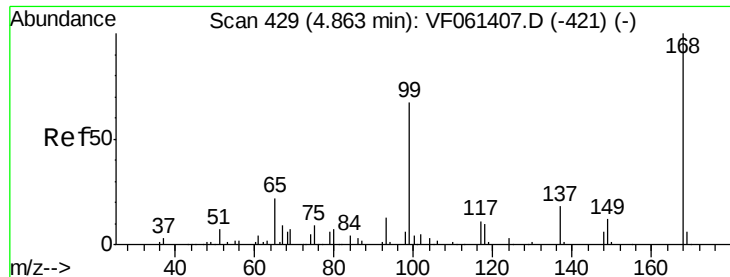
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

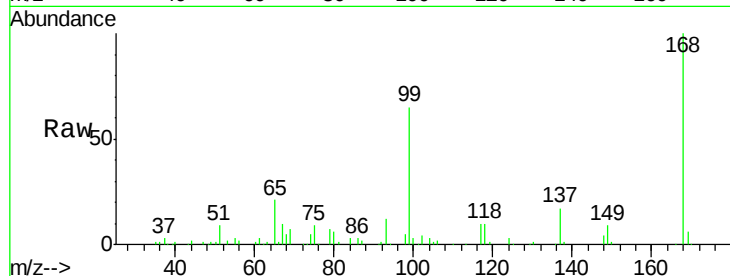
S2-FRONT-HOUSE-7

Tot Ion:168 Resp: 190722

Ion Ratio Lower Upper

168 100

99 65.4 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

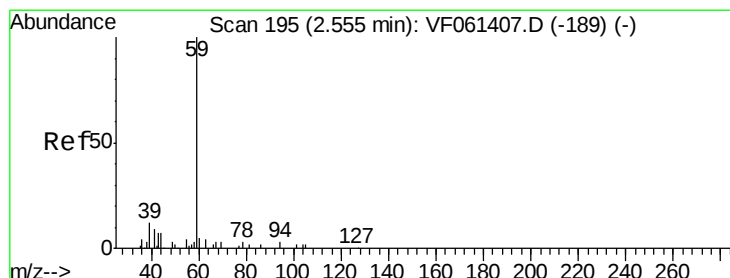
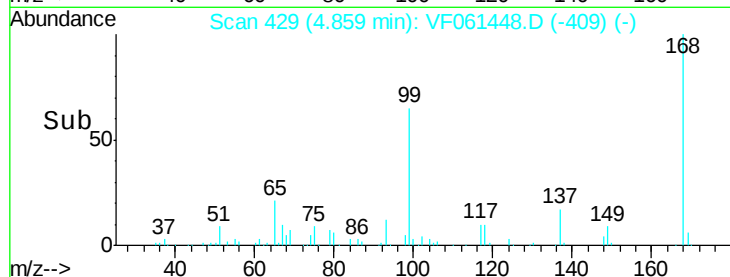
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#11

Tert butyl alcohol

Concen: 1.876 ug/l

RT: 2.55 min Scan# 195

Delta R.T. -0.00 min

Lab File: VF061448.D

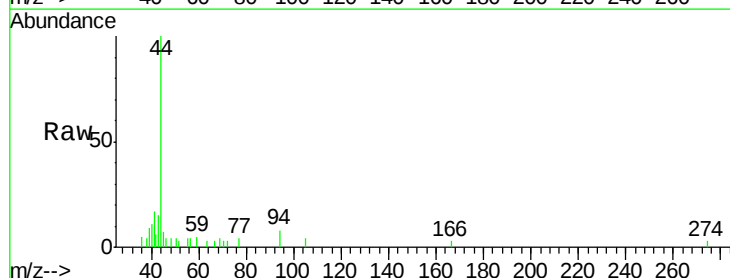
Acq: 17 Jan 2019 16:53

Tgt Ion: 59 Resp: 187

Ion Ratio Lower Upper

59 100

57 0.0 11.9 17.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.55

200

150

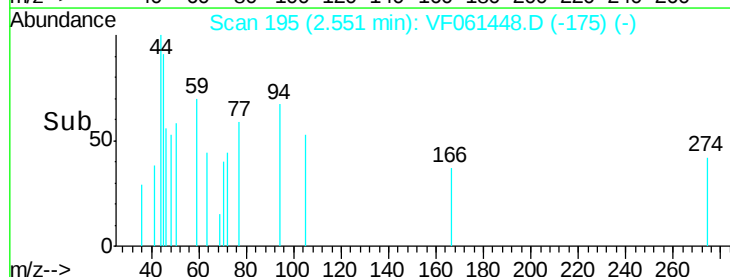
100

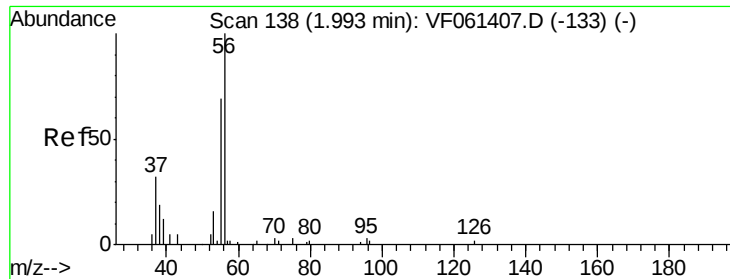
50

0

Time-->

2.50 2.52 2.54 2.56 2.58

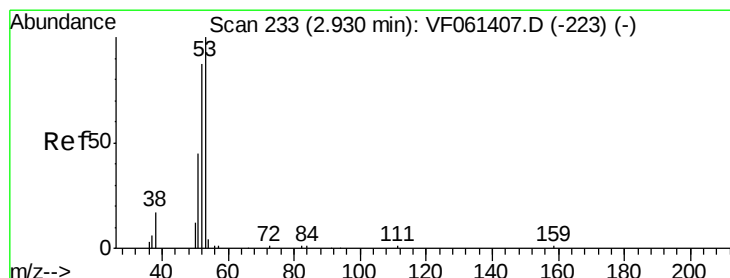
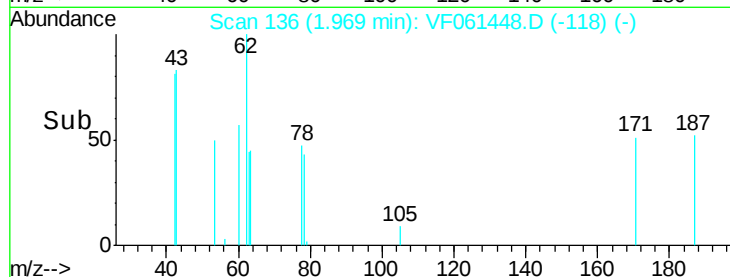
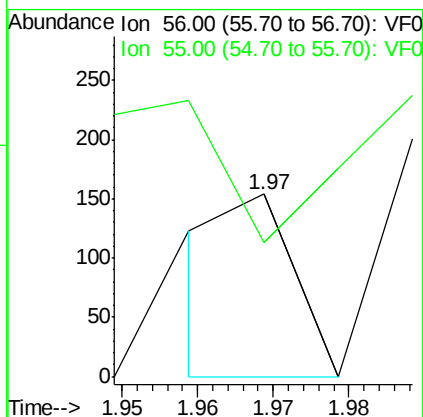
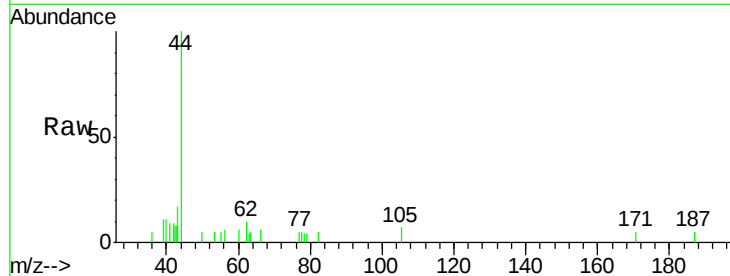




#13
Acrolein
Concen: 11.353 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.02 min
Lab File: VF061448.D
Acq: 17 Jan 2019 16:53

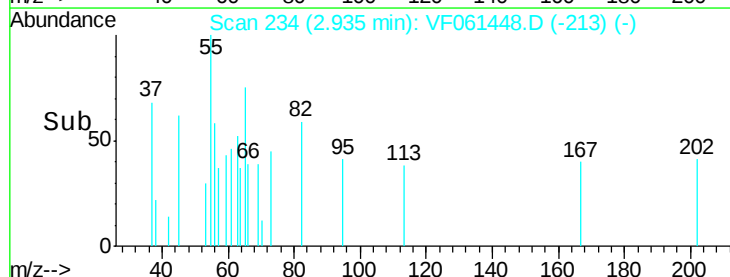
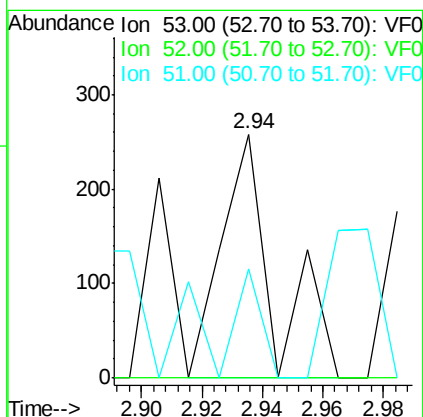
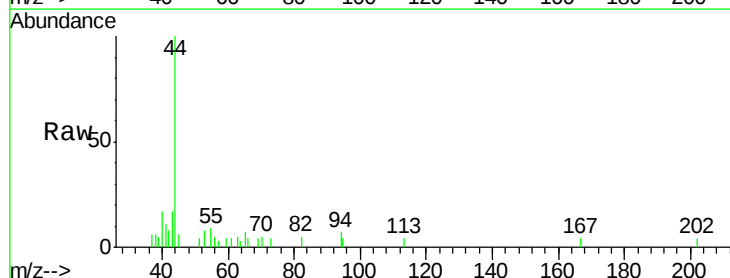
Instrument :
MSVOA_F
ClientSampleId :
S2-FRONT-HOUSE-7

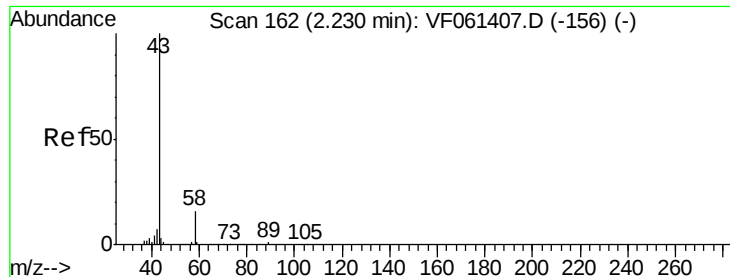
Tot Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 73.4 57.5 86.3



#15
Acrylonitrile
Concen: 1.230 ug/l
RT: 2.94 min Scan# 234
Delta R.T. 0.01 min
Lab File: VF061448.D
Acq: 17 Jan 2019 16:53

Tgt Ion: 53 Resp: 314
Ion Ratio Lower Upper
53 100
52 0.0 69.6 104.4#
51 45.0 36.8 55.2





#16

Acetone

Concen: 11.787 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

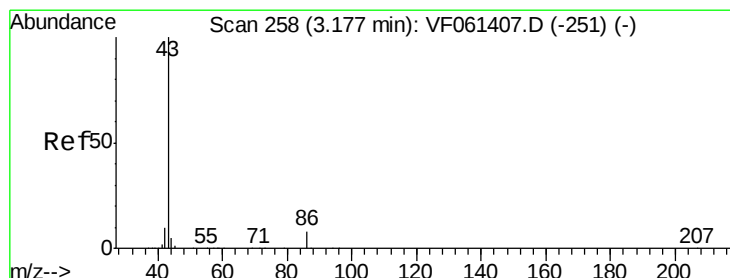
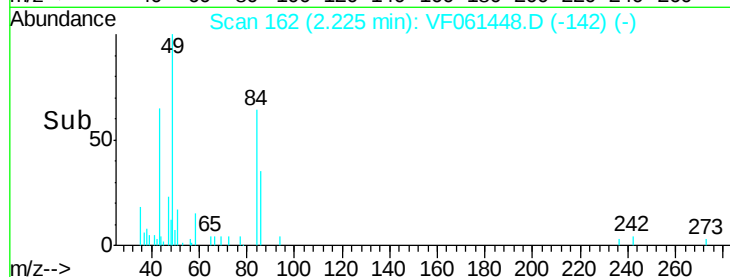
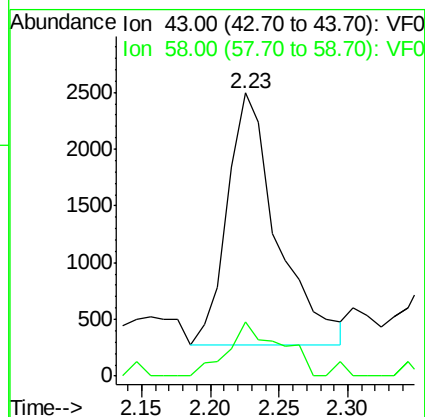
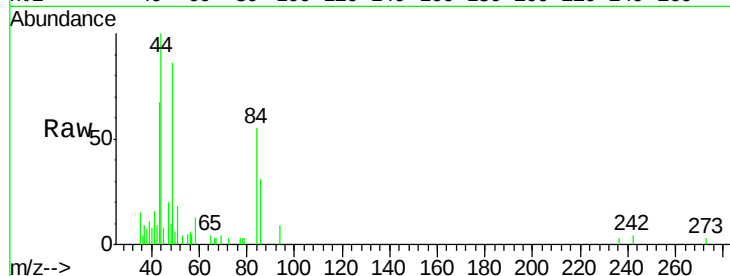
S2-FRONT-HOUSE-7

Tot Ion: 43 Resp: 5568

Ion Ratio Lower Upper

43 100

58 19.2 13.3 19.9



#23

Vinyl Acetate

Concen: 3.317 ug/l

RT: 3.12 min Scan# 253

Delta R.T. -0.05 min

Lab File: VF061448.D

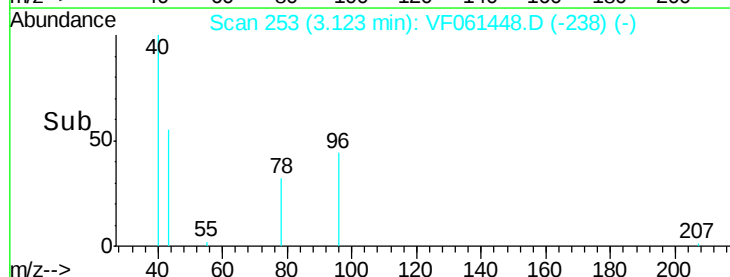
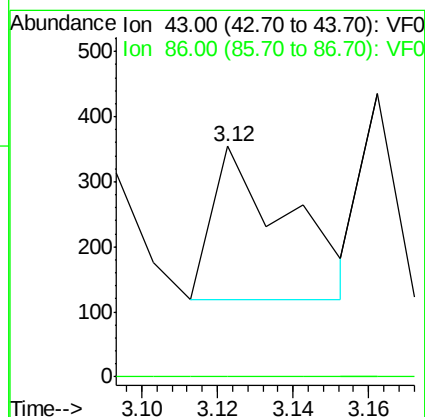
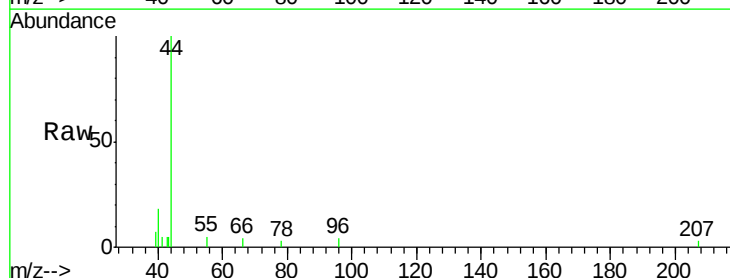
Acq: 17 Jan 2019 16:53

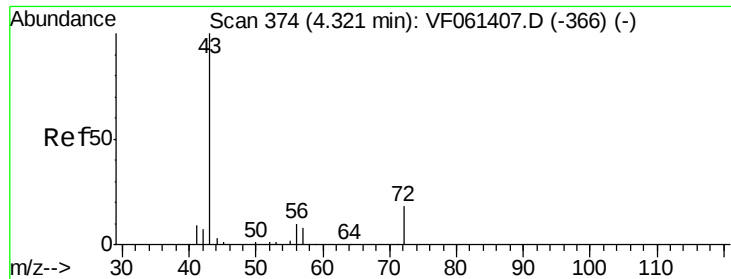
Tgt Ion: 43 Resp: 331

Ion Ratio Lower Upper

43 100

86 0.0 6.2 9.4#





#25

2-Butanone

Concen: 1.249 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

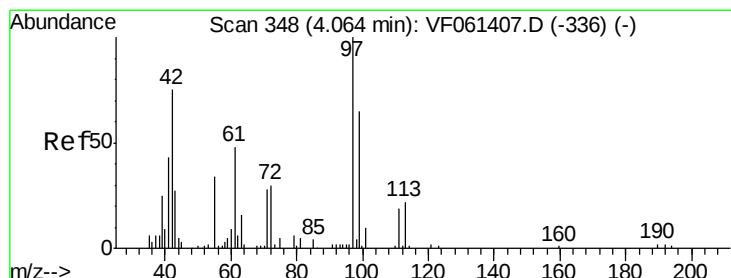
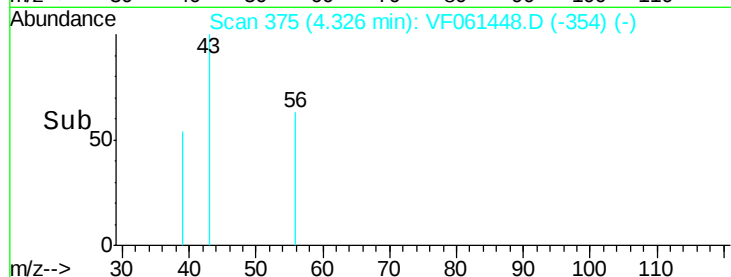
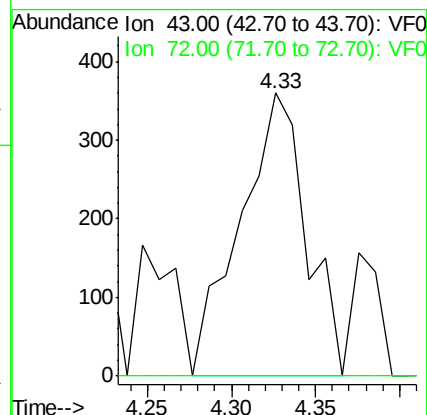
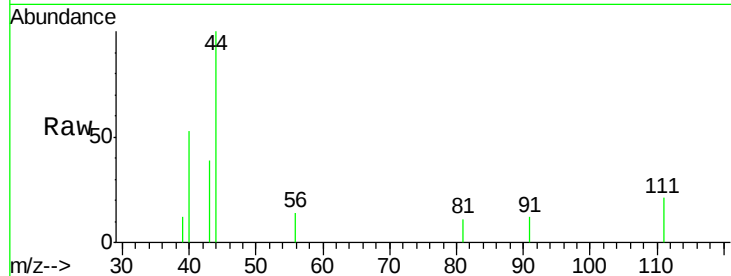
S2-FRONT-HOUSE-7

Tot Ion: 43 Resp: 981

Ion Ratio Lower Upper

43 100

72 0.0 15.8 23.6#



#29

Tetrahydrofuran

Concen: 1.735 ug/l

RT: 4.09 min Scan# 351

Delta R.T. 0.03 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

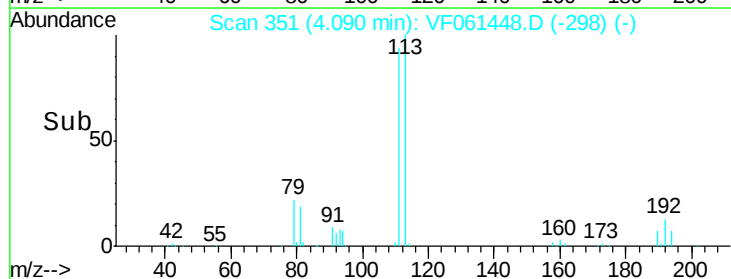
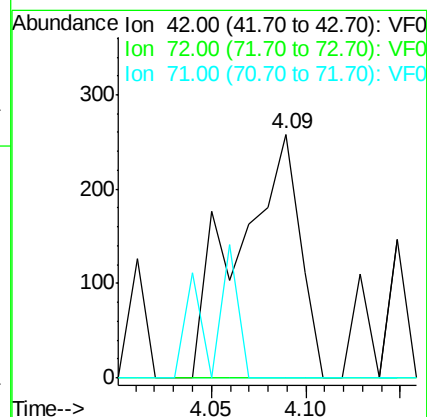
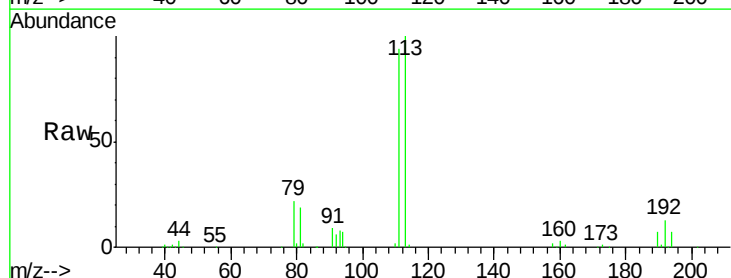
Tgt Ion: 42 Resp: 587

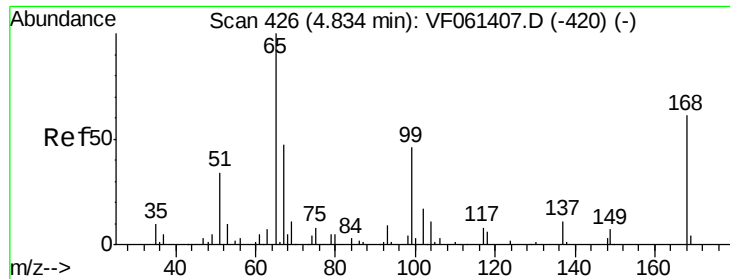
Ion Ratio Lower Upper

42 100

72 0.0 28.9 43.3#

71 0.0 29.6 44.4#





#33

1,2-Dichloroethane-d4

Concen: 60.531 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

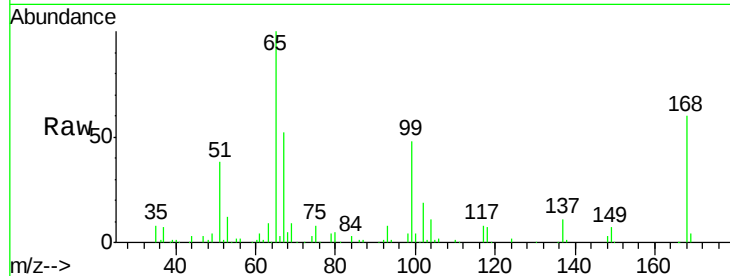
S2-FRONT-HOUSE-7

Tot Ion: 65 Resp: 142532

Ion Ratio Lower Upper

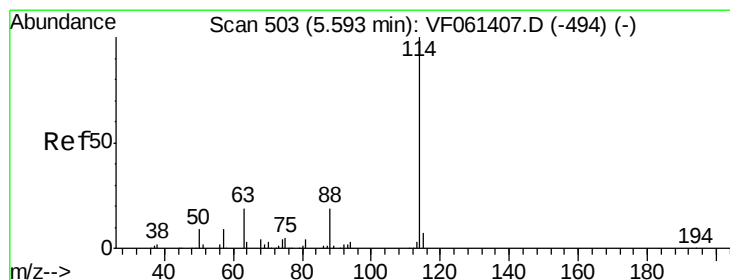
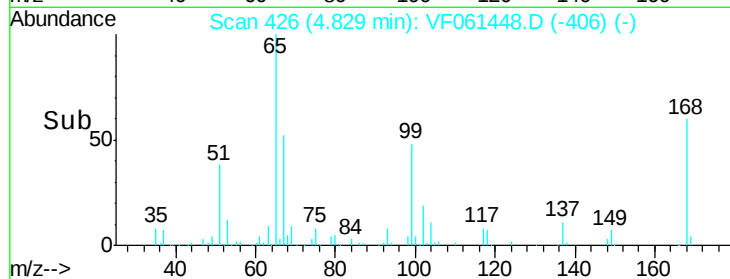
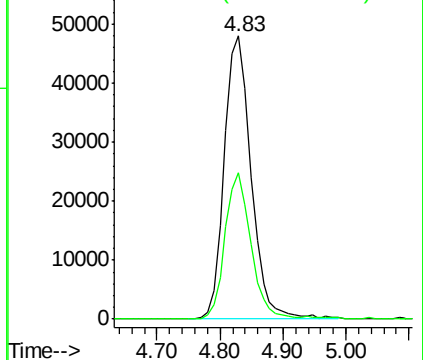
65 100

67 51.9 0.0 99.8



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: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

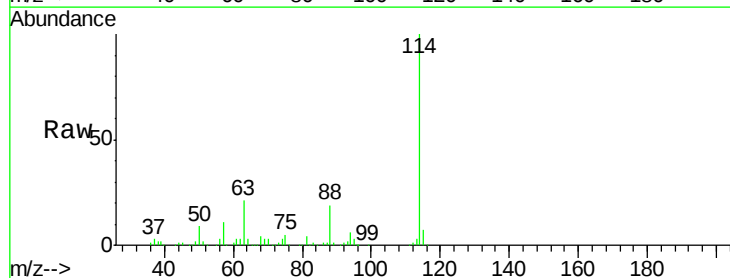
Tgt Ion: 114 Resp: 347564

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.0

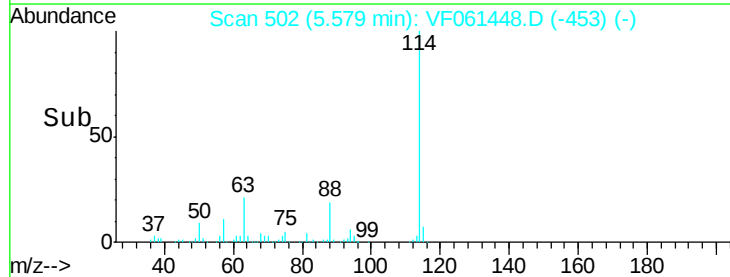
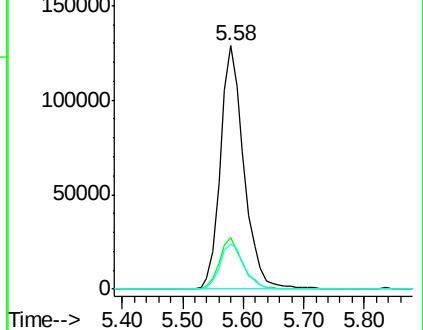
88 18.7 0.0 37.4

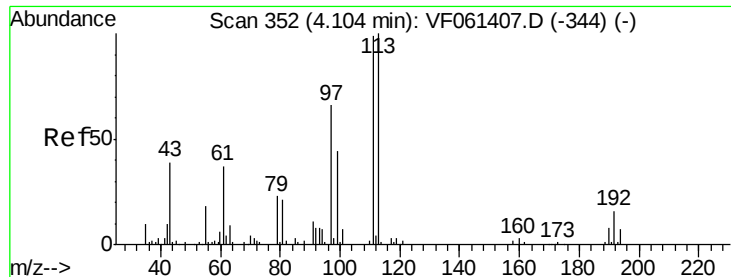


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

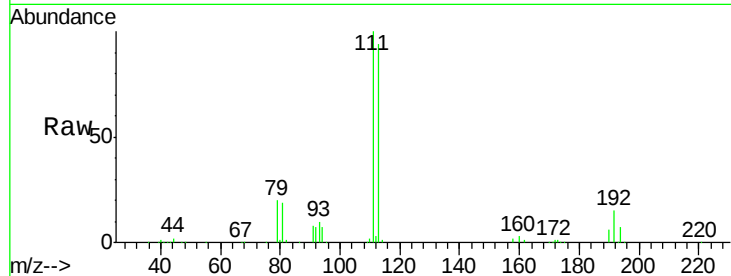




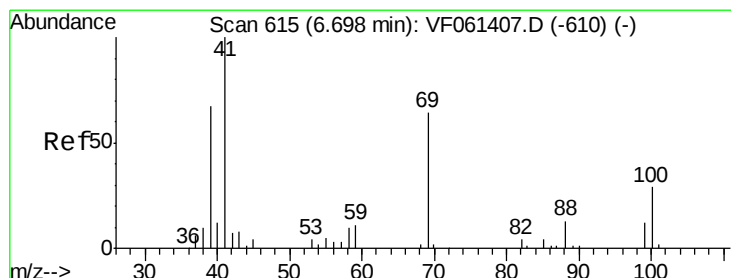
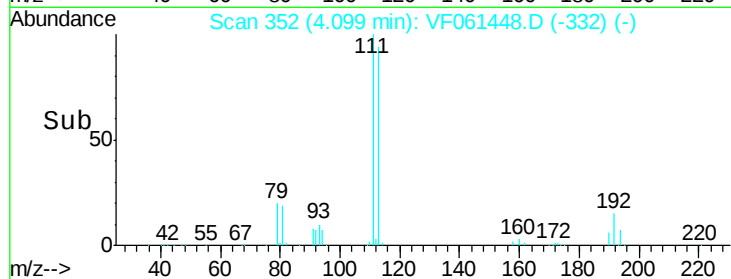
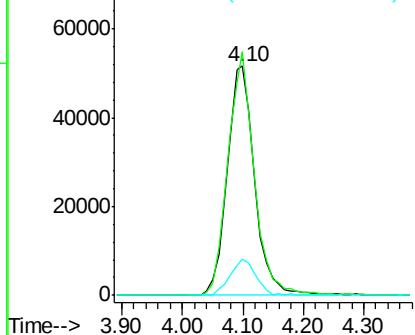
#35
 Dibromofluoromethane
 Concen: 59.174 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VF061448.D
 Acq: 17 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 S2-FRONT-HOUSE-7

Tot Ion:113 Resp: 162288
 Ion Ratio Lower Upper
 113 100
 111 106.3 79.4 119.0
 192 15.6 12.4 18.6

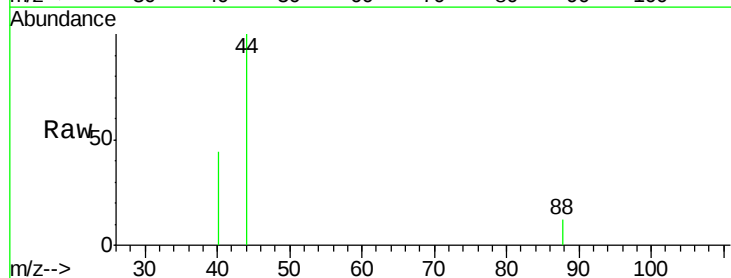


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

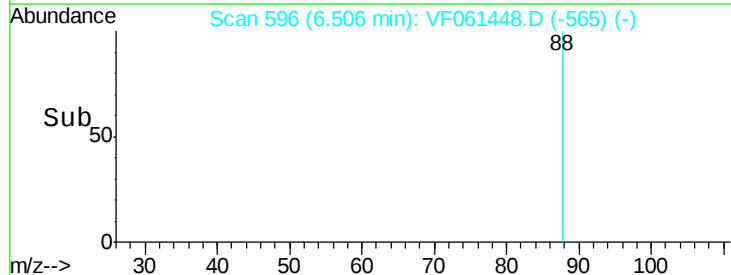
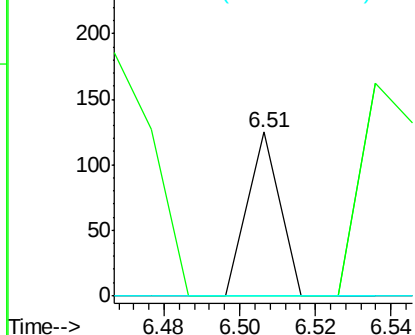


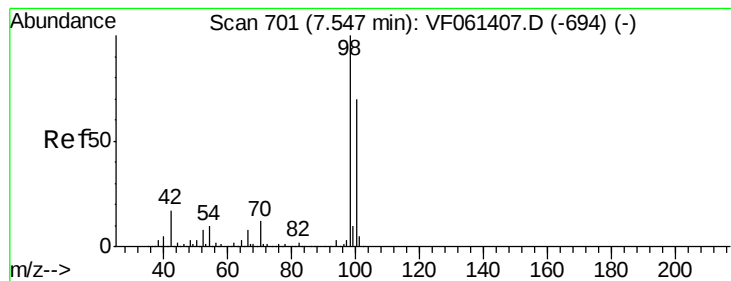
#49
 1,4-Dioxane
 Concen: Below Cal
 RT: 6.51 min Scan# 596
 Delta R.T. -0.19 min
 Lab File: VF061448.D
 Acq: 17 Jan 2019 16:53

Tgt Ion: 88 Resp: 74
 Ion Ratio Lower Upper
 88 100
 43 0.0 55.5 83.3#
 58 0.0 59.9 89.9#



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: 53.636 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

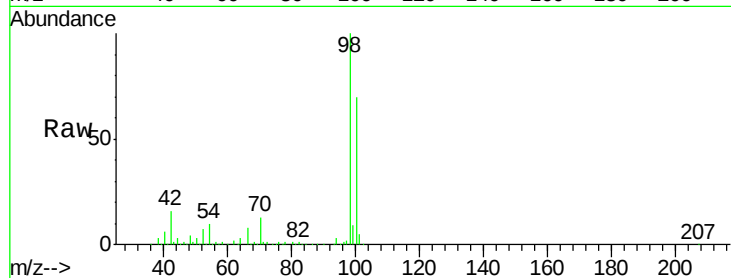
S2-FRONT-HOUSE-7

Tot Ion: 98 Resp: 403032

Ion Ratio Lower Upper

98 100

100 70.0 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.53

150000

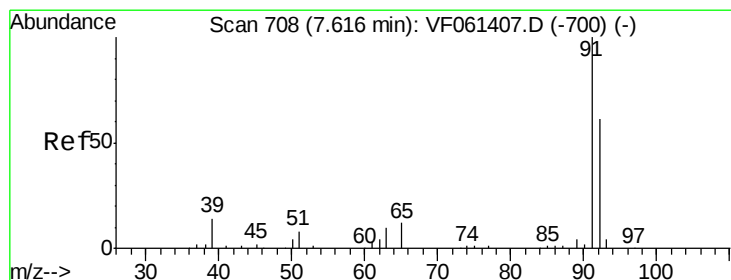
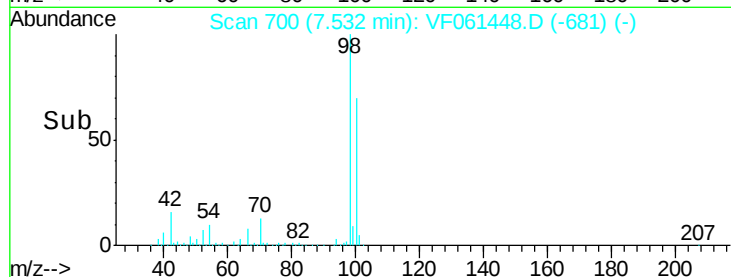
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#52

Toluene

Concen: 9.497 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.00 min

Lab File: VF061448.D

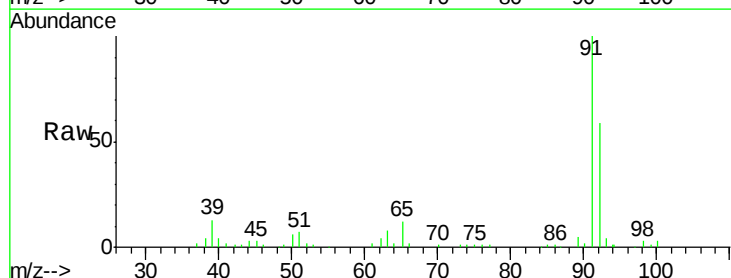
Acq: 17 Jan 2019 16:53

Tgt Ion: 92 Resp: 56080

Ion Ratio Lower Upper

92 100

91 170.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.61

40000

30000

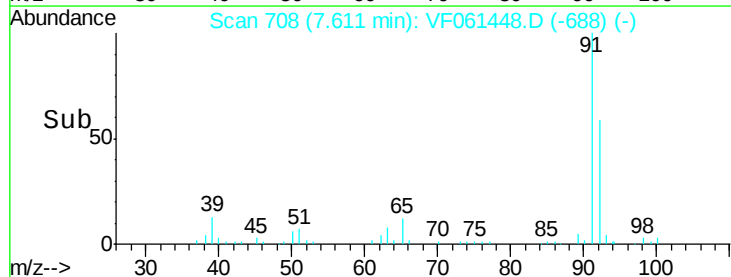
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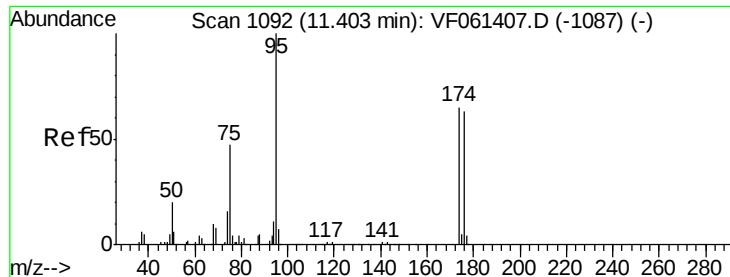
10000

0

Time-->

7.50 7.60 7.70





#62

4-Bromofluorobenzene

Concen: 46.024 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

S2-FRONT-HOUSE-7

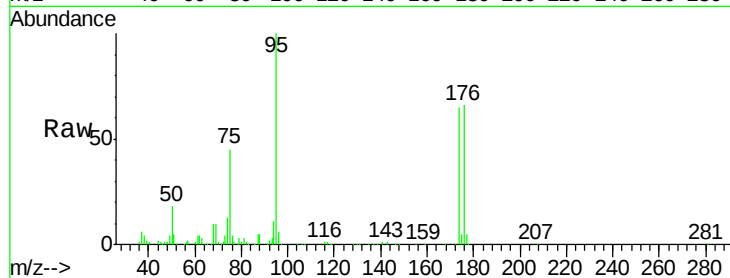
Tot Ion: 95 Resp: 161583

Ion Ratio Lower Upper

95 100

174 64.6 0.0 130.4

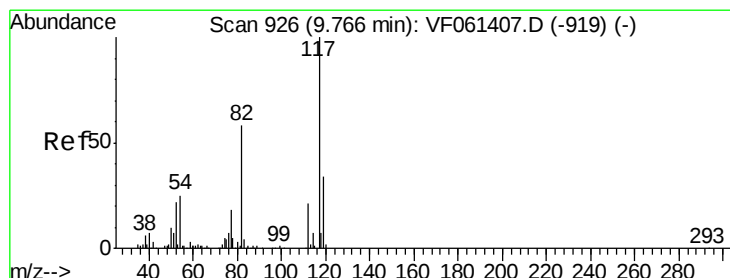
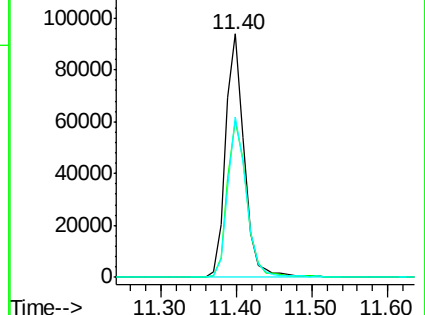
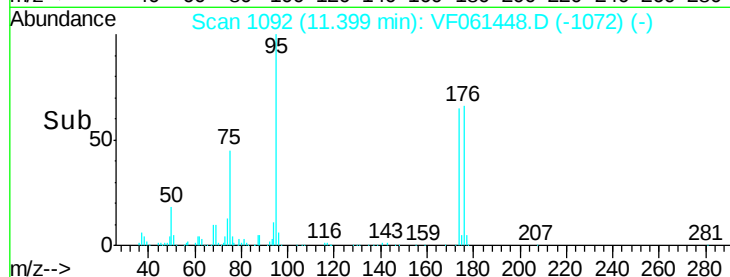
176 65.9 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF061448.D (-1072) (-)

Ion 174.00 (173.70 to 174.70): VF061448.D (-1072) (-)

Ion 176.00 (175.70 to 176.70): VF061448.D (-1072) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 926

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

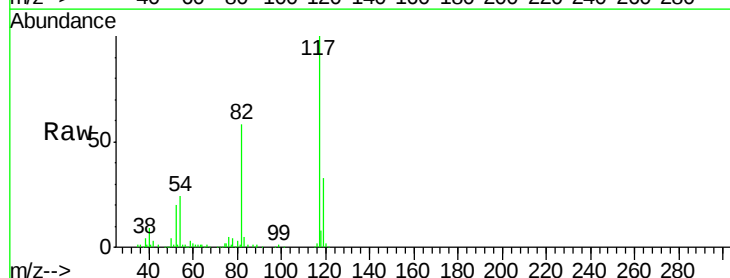
Tgt Ion: 117 Resp: 282208

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

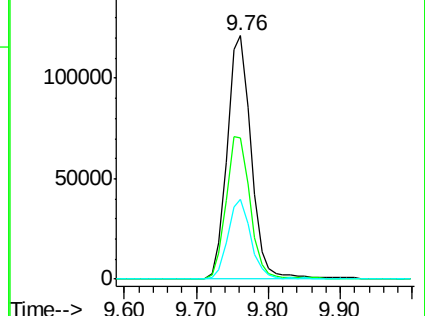
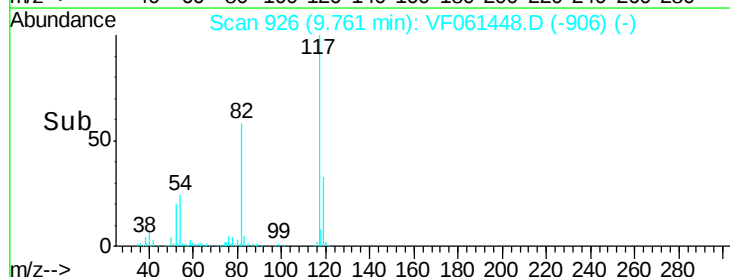
119 32.9 27.2 40.8

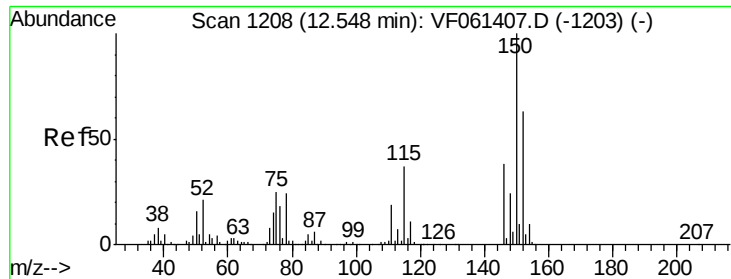


Abundance Ion 117.00 (116.70 to 117.70): VF061448.D (-906) (-)

Ion 82.00 (81.70 to 82.70): VF061448.D (-906) (-)

Ion 119.00 (118.70 to 119.70): VF061448.D (-906) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061448.D

Acq: 17 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

S2-FRONT-HOUSE-7

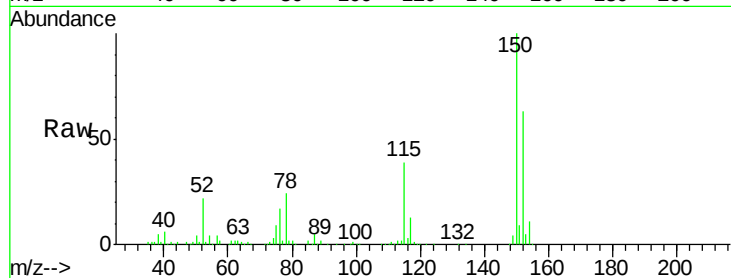
Tot Ion:152 Resp: 111439

Ion Ratio Lower Upper

152 100

115 62.2 30.0 90.0

150 157.6 0.0 321.4



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

