

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061712.D
 Acq On : 22 Feb 2019 16:59
 Operator : VA/AP
 Sample : K1595-05
 Misc : 5.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Quant Time: Feb 23 01:45:47 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

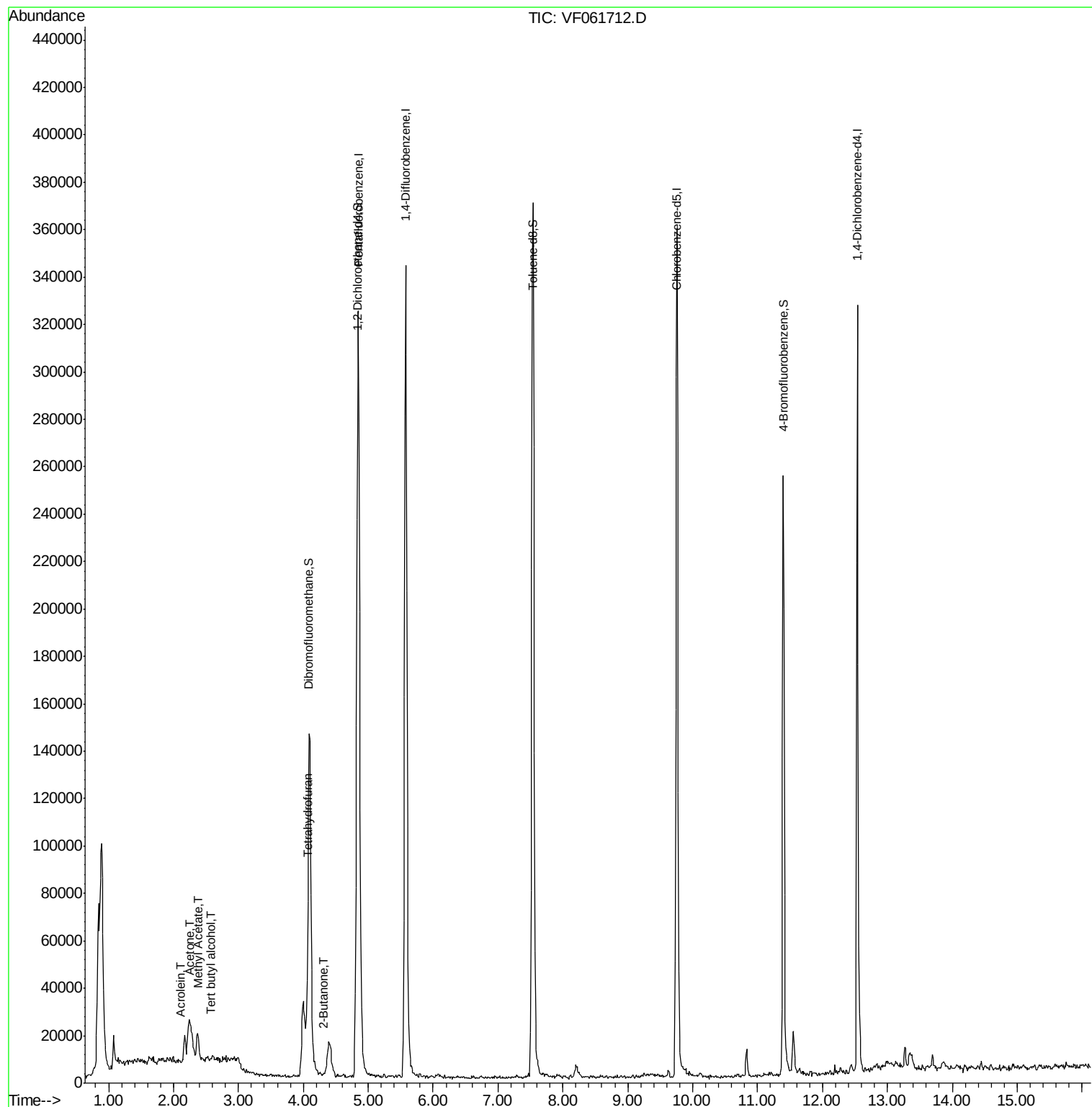
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	310067	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	434448	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	295553	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	91644	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	100054	44.00	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	88.00%	
35) Dibromofluoromethane	4.10	113	143556	44.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	89.00%	
50) Toluene-d8	7.54	98	348158	37.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	75.08%	
62) 4-Bromofluorobenzene	11.40	95	97270	25.92	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	51.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.57	59	177	1.345	ug/l #	1
13) Acrolein	2.12	56	558	3.374	ug/l	85
16) Acetone	2.23	43	18587	38.100	ug/l #	87
18) Methyl Acetate	2.36	43	4760	4.331	ug/l #	59
20) Methylene Chloride	2.17	84	5042	Below Cal		88
25) 2-Butanone	4.32	43	1788	1.678	ug/l #	55
29) Tetrahydrofuran	4.06	42	8004	16.526	ug/l #	80

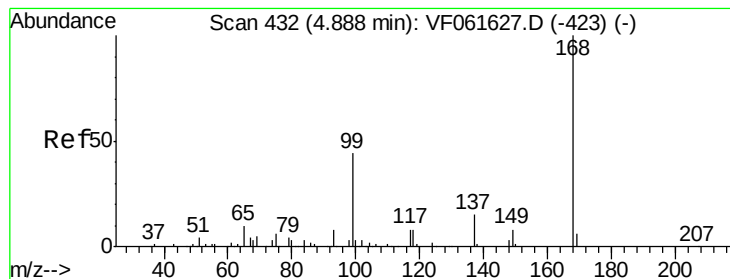
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

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Acq: 22 Feb 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

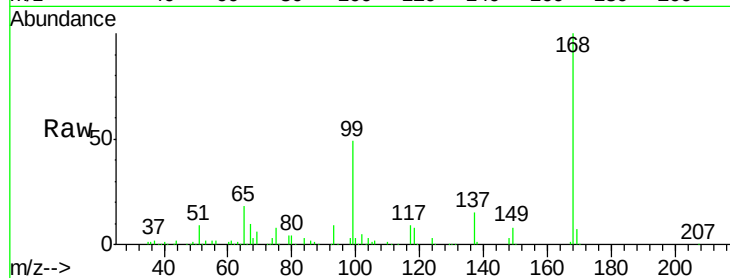
TP-E-WALL-GRADE-BEAM

Tot Ion:168 Resp: 310067

Ion Ratio Lower Upper

168 100

99 49.4 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

100000

80000

60000

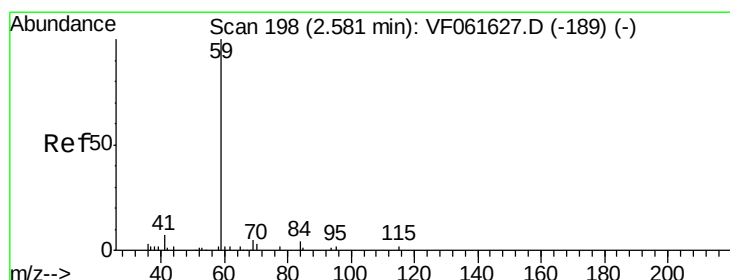
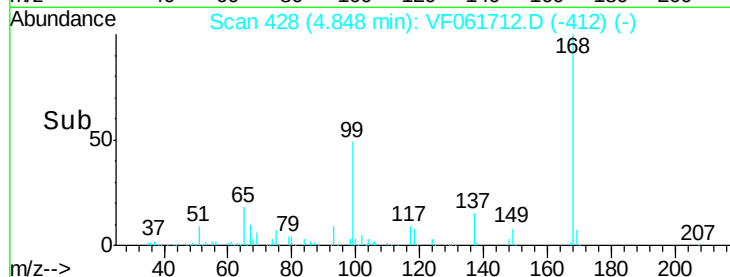
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#11

Tert butyl alcohol

Concen: 1.345 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF061712.D

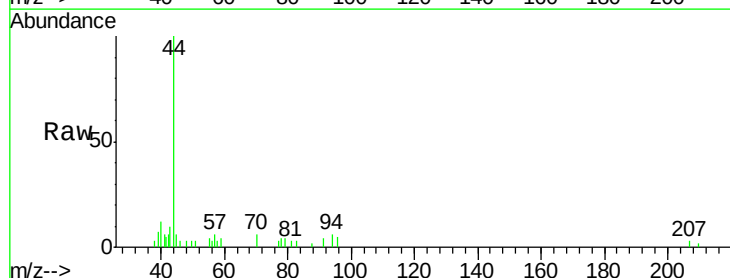
Acq: 22 Feb 2019 16:59

Tgt Ion: 59 Resp: 177

Ion Ratio Lower Upper

59 100

57 147.9 12.5 18.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

300

250

200

150

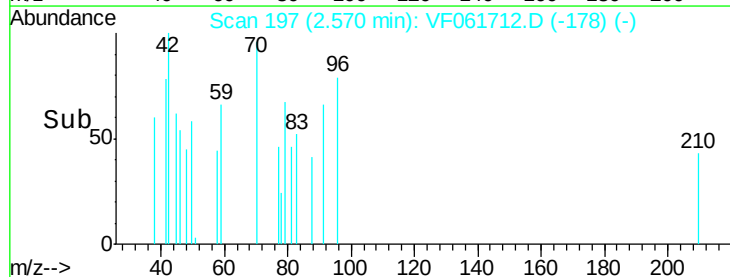
100

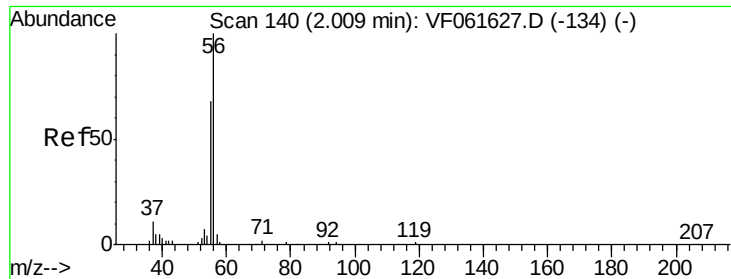
50

0

2.54 2.56 2.58 2.60

Time-->





#13

Acrolein

Concen: 3.374 ug/l

RT: 2.12 min Scan# 151

Delta R.T. 0.11 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

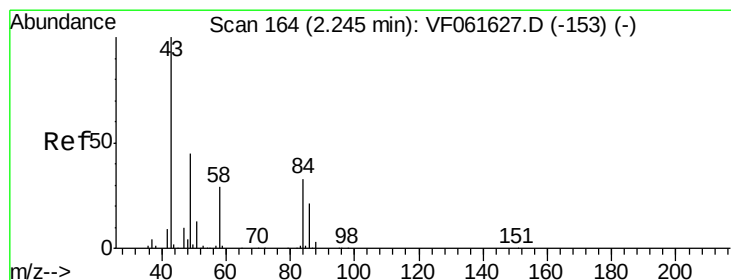
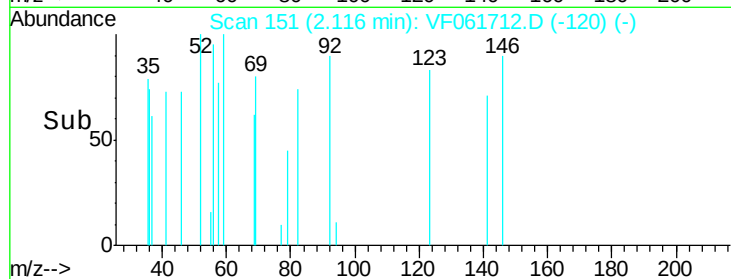
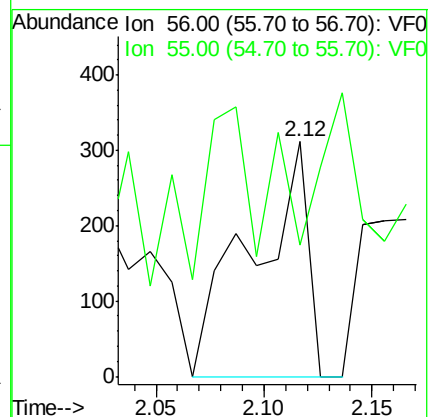
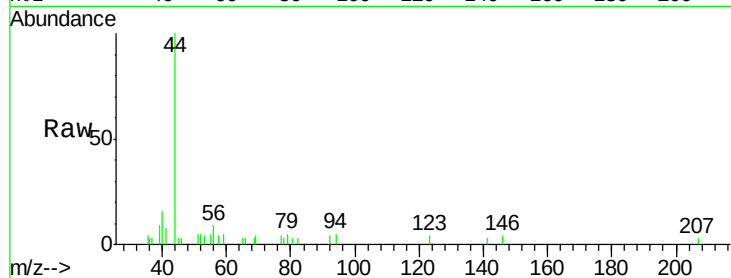
TP-E-WALL-GRADE-BEAM

Tot Ion: 56 Resp: 558

Ion Ratio Lower Upper

56 100

55 56.3 55.0 82.6



#16

Acetone

Concen: 38.100 ug/l

RT: 2.23 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061712.D

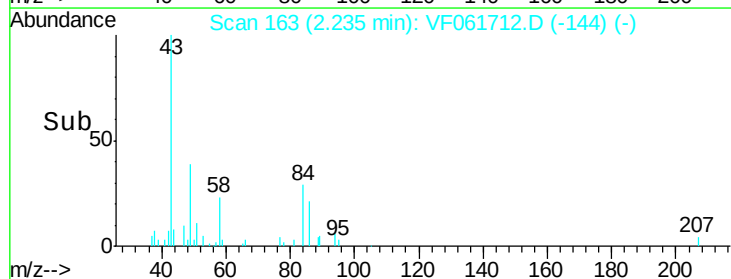
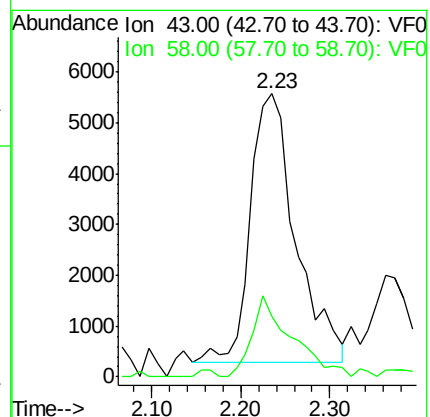
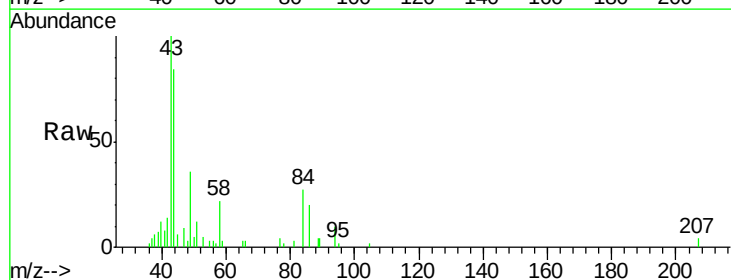
Acq: 22 Feb 2019 16:59

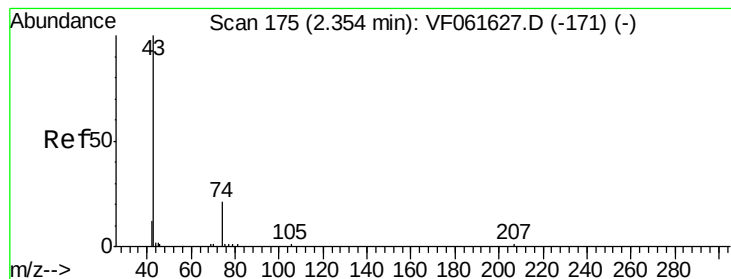
Tgt Ion: 43 Resp: 18587

Ion Ratio Lower Upper

43 100

58 21.6 22.9 34.3#





#18

Methvl Acetate

Concen: 4.331 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.01 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

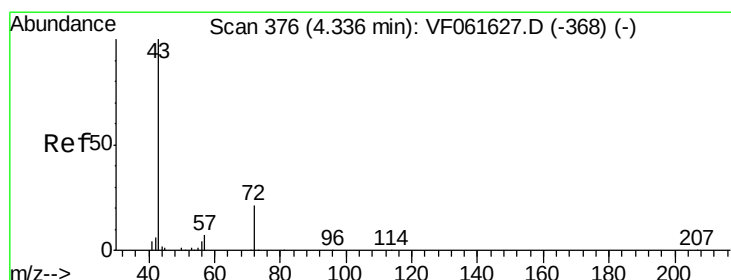
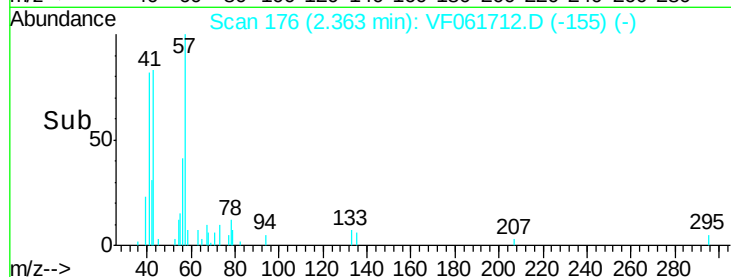
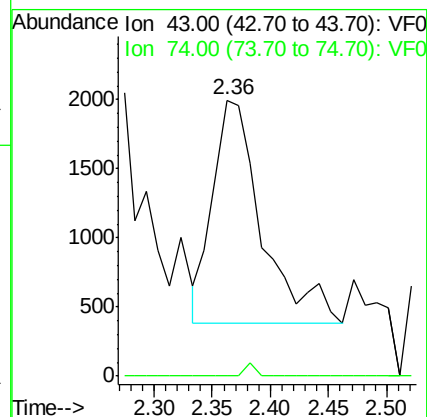
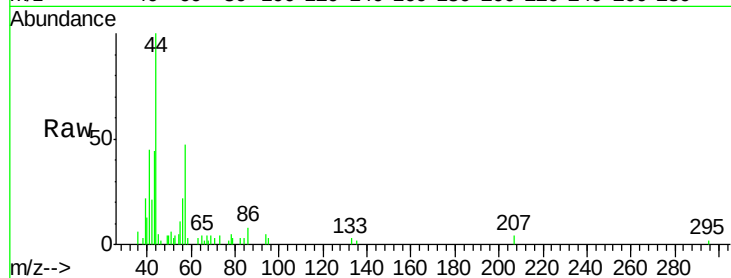
TP-E-WALL-GRADE-BEAM

Tot Ion: 43 Resp: 4760

Ion Ratio Lower Upper

43 100

74 0.0 14.6 21.8#



#25

2-Butanone

Concen: 1.678 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061712.D

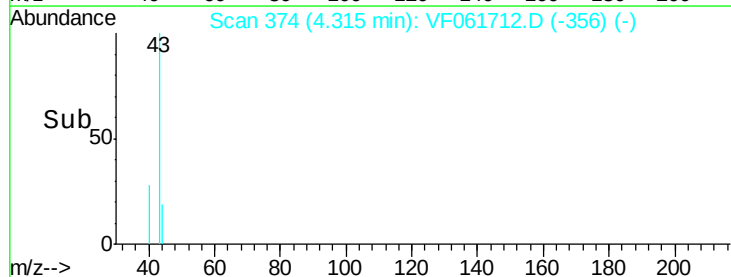
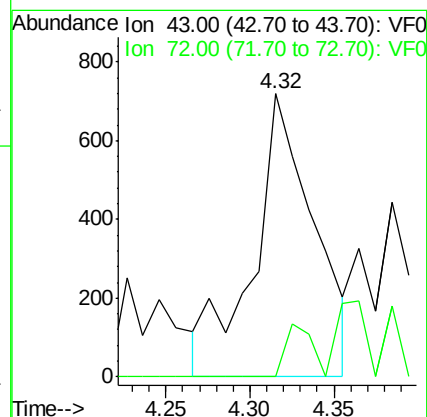
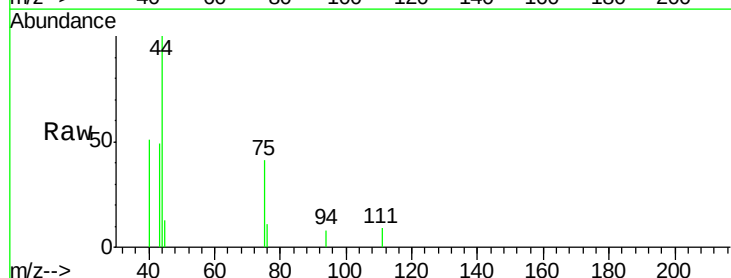
Acq: 22 Feb 2019 16:59

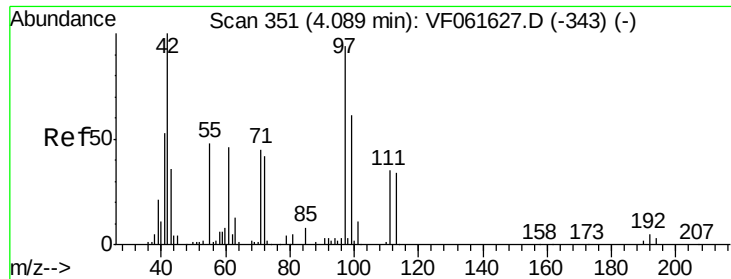
Tgt Ion: 43 Resp: 1788

Ion Ratio Lower Upper

43 100

72 0.0 17.1 25.7#





#29

Tetrahydrofuran

Concen: 16.526 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAM

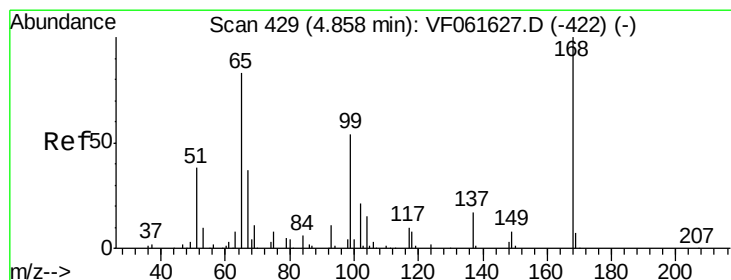
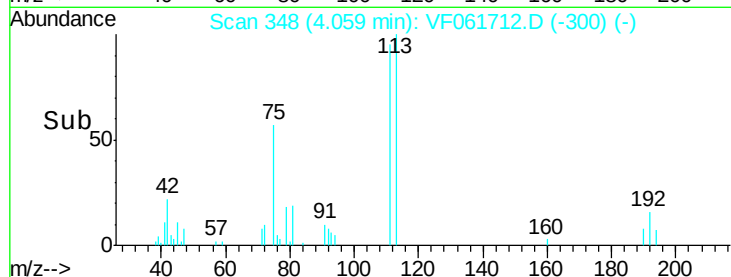
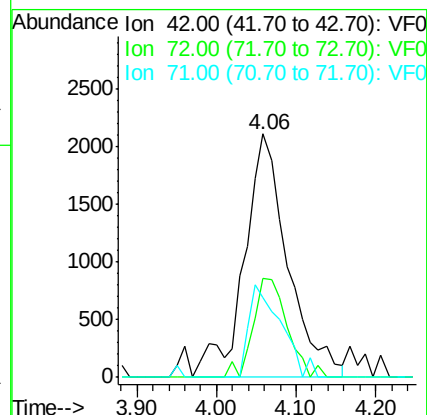
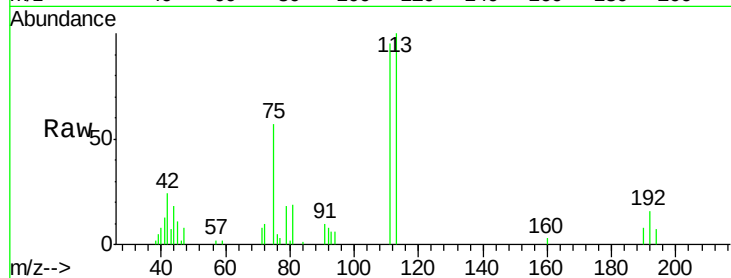
Tot Ion: 42 Resp: 8004

Ion Ratio Lower Upper

42 100

72 31.6 35.2 52.8#

71 28.2 32.9 49.3#



#33

1,2-Dichloroethane-d4

Concen: 44.004 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061712.D

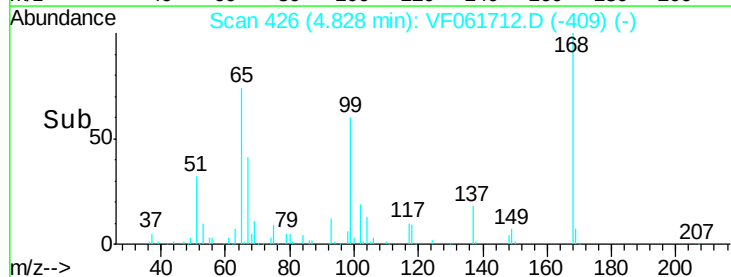
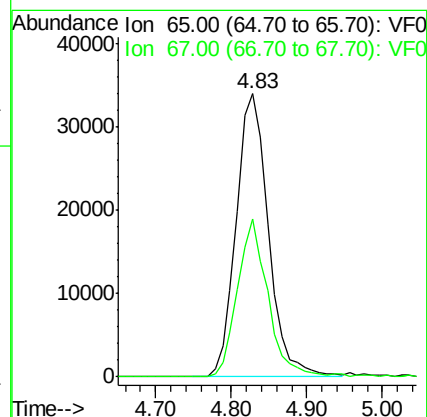
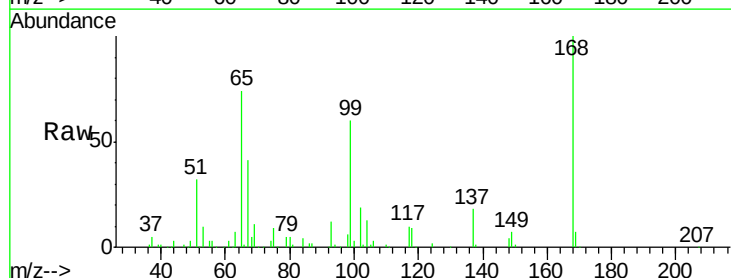
Acq: 22 Feb 2019 16:59

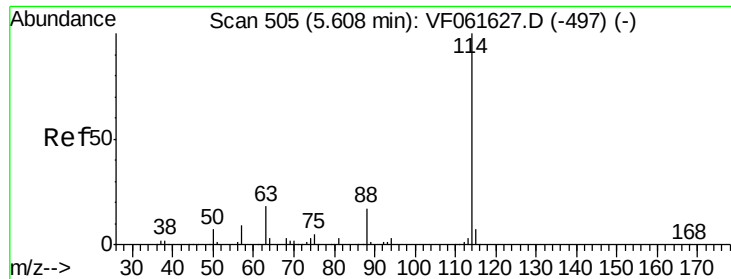
Tgt Ion: 65 Resp: 100054

Ion Ratio Lower Upper

65 100

67 55.6 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.03 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

Instrument :

MSVOA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAM

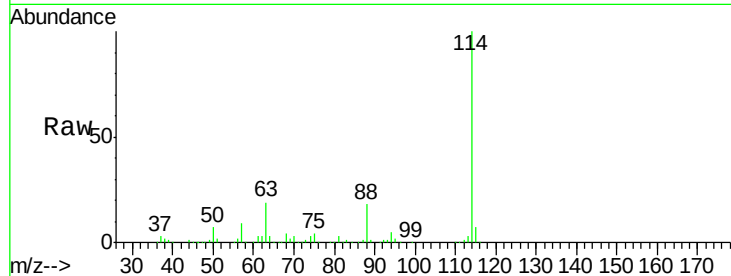
Tot Ion:114 Resp: 434448

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.6

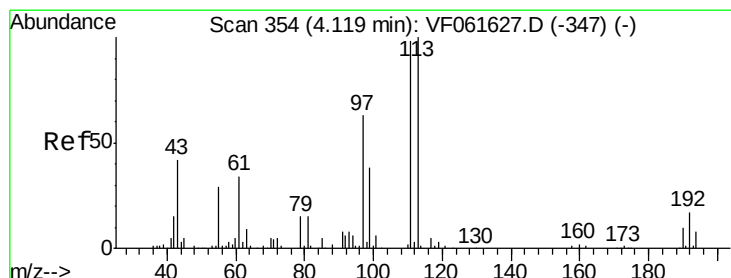
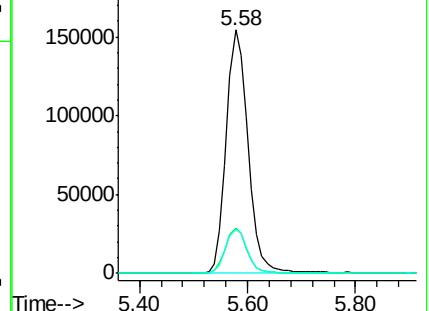
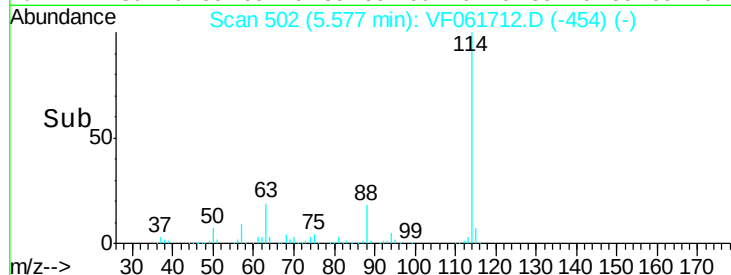
88 17.9 0.0 34.4



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: 44.496 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.02 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

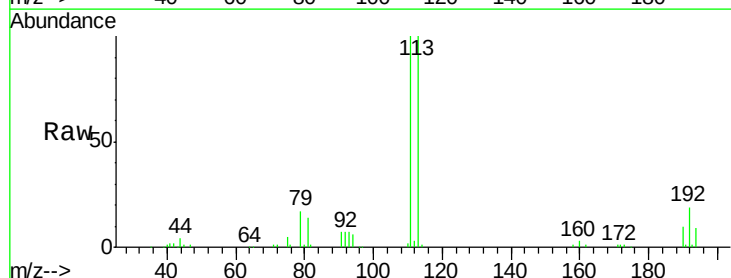
Tgt Ion:113 Resp: 143556

Ion Ratio Lower Upper

113 100

111 99.8 78.8 118.2

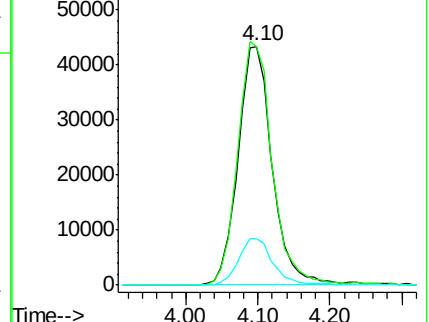
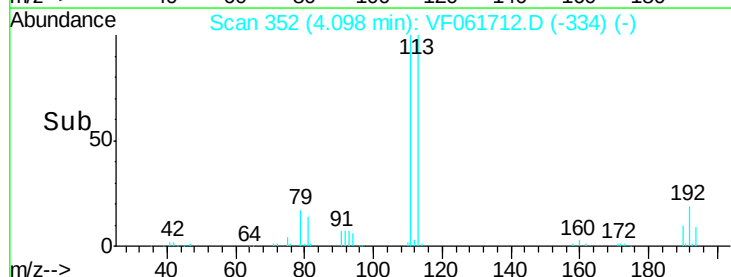
192 19.5 13.4 20.0

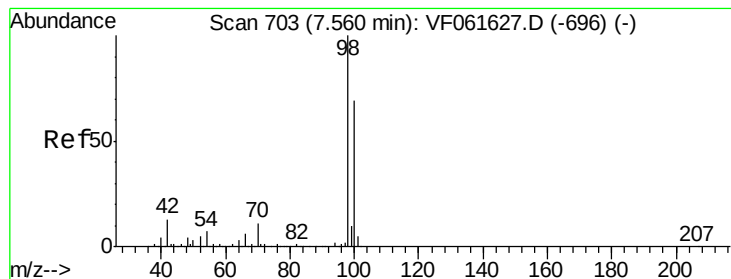


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 37.539 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

Instrument :

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ClientSampleId :

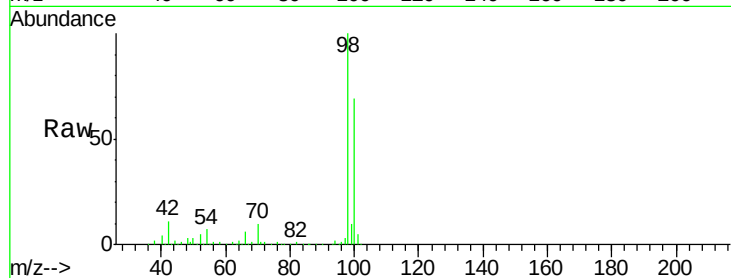
TP-E-WALL-GRADE-BEAM

Tot Ion: 98 Resp: 348158

Ion Ratio Lower Upper

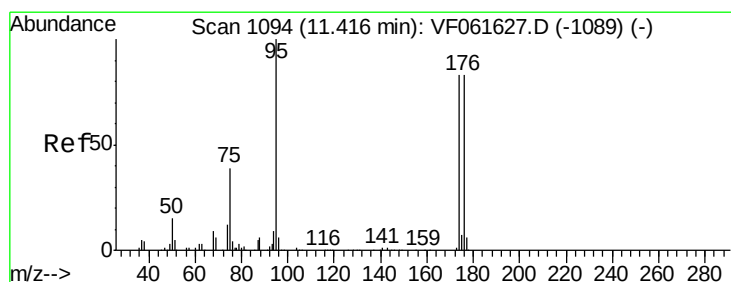
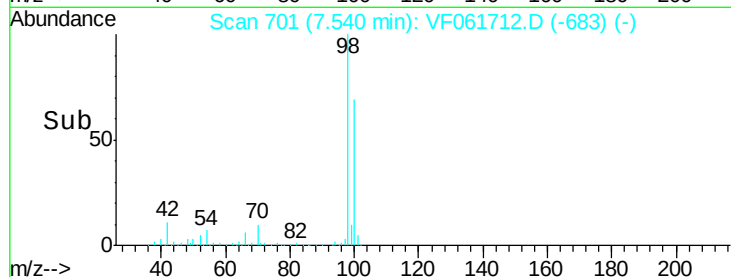
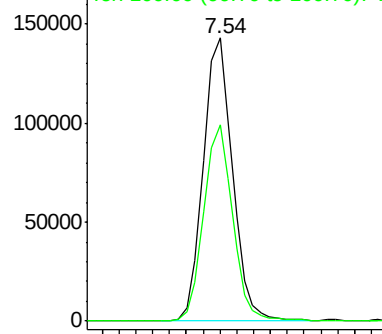
98 100

100 69.3 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 25.920 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061712.D

Acq: 22 Feb 2019 16:59

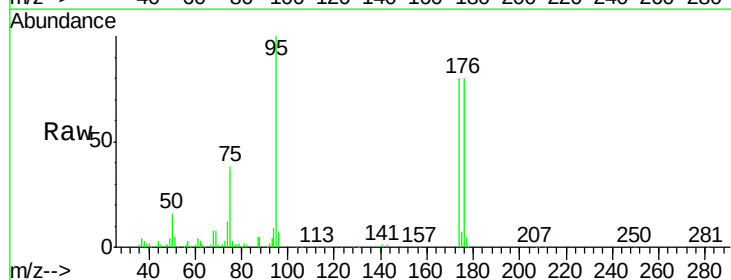
Tgt Ion: 95 Resp: 97270

Ion Ratio Lower Upper

95 100

174 79.9 0.0 165.8

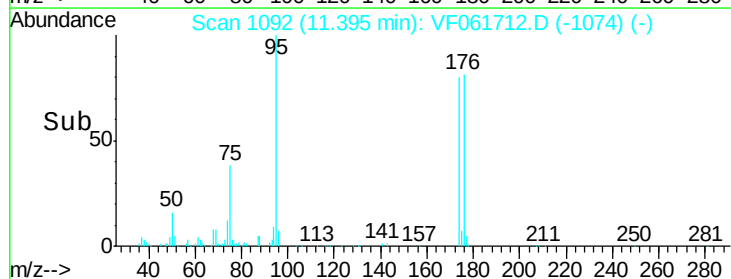
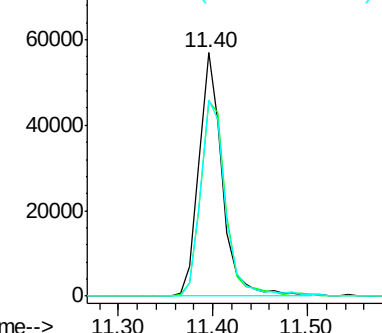
176 80.5 0.0 167.0

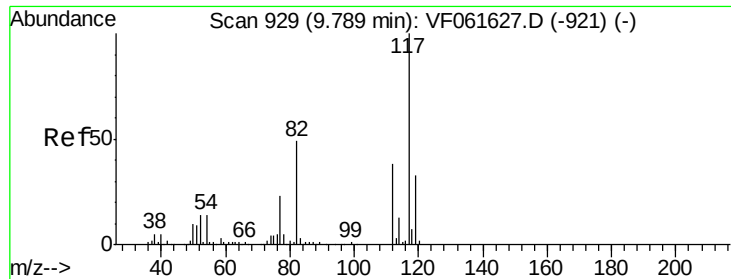


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

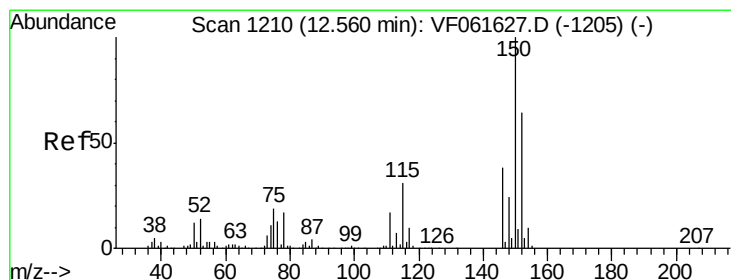
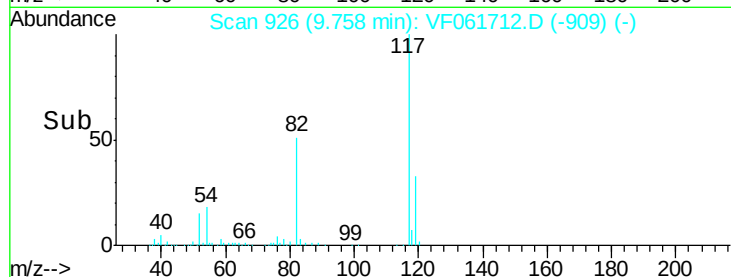
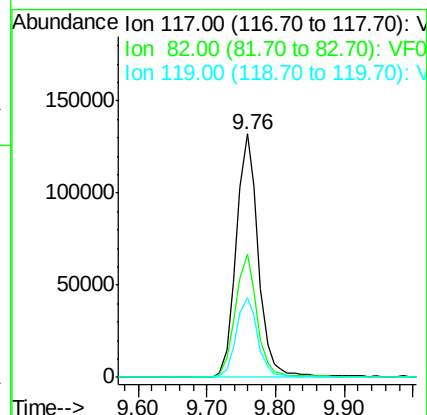
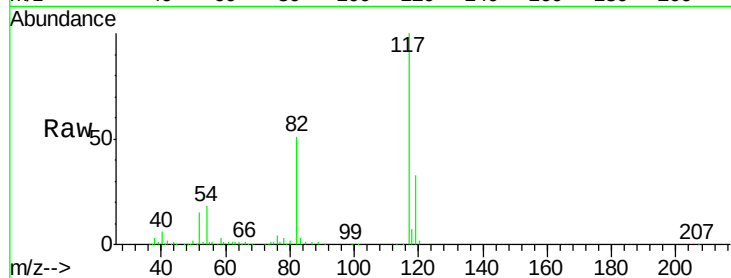




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061712.D
Acq: 22 Feb 2019 16:59

Instrument :
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TP-E-WALL-GRADE-BEAM

Tot Ion:117 Resp: 295553
Ion Ratio Lower Upper
117 100
82 50.7 39.3 58.9
119 32.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF061712.D
Acq: 22 Feb 2019 16:59

Tgt Ion:152 Resp: 91644
Ion Ratio Lower Upper
152 100
115 52.9 24.3 72.8
150 162.1 0.0 312.0

