

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061779.D
 Acq On : 27 Feb 2019 21:22
 Operator : VA/AP
 Sample : K1652-12
 Misc : 4.72g/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 COMP-DAY-2

Quant Time: Feb 28 01:23:16 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

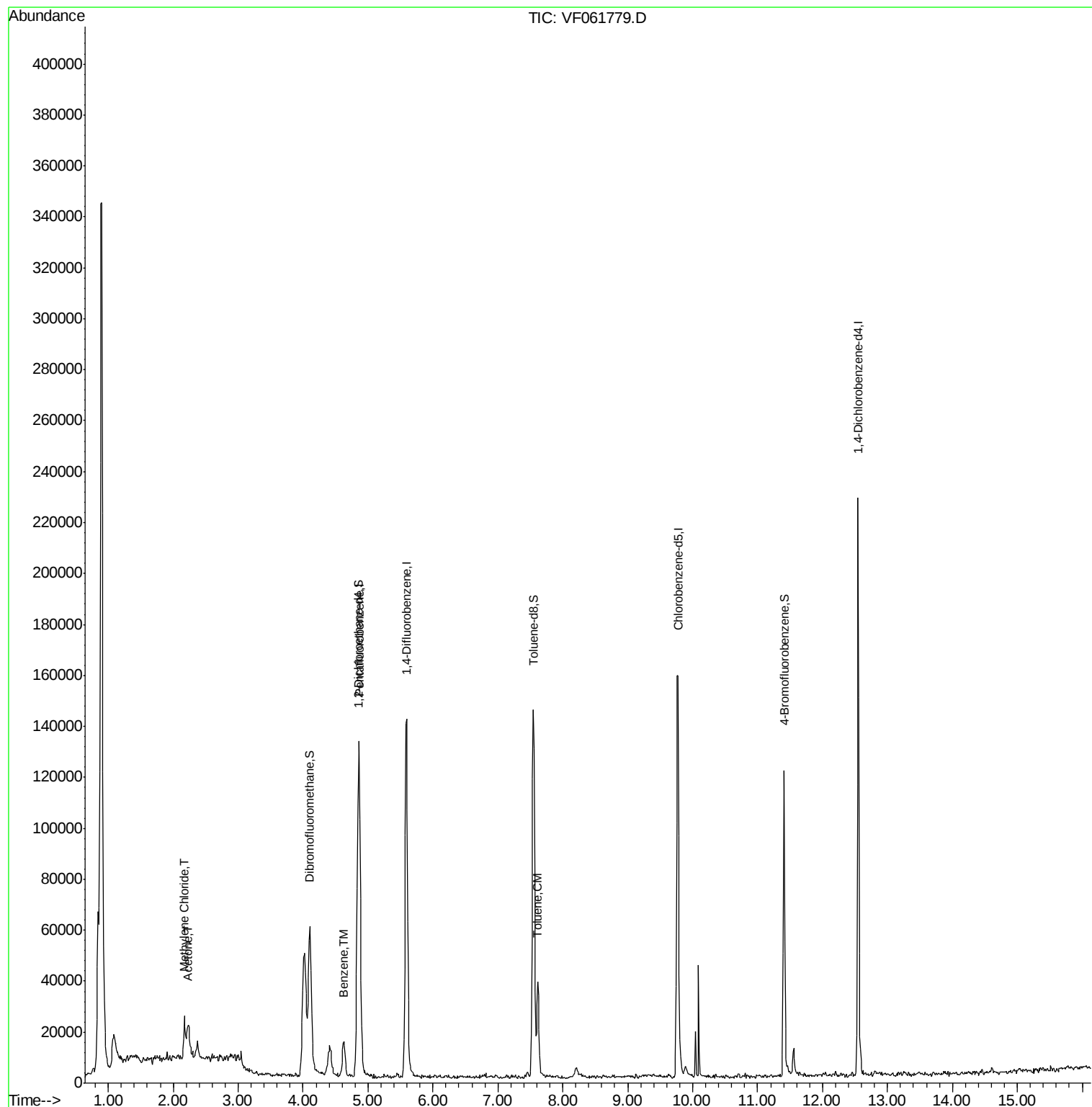
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	132969	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.59	114	179928	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.77	117	134871	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	63573	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	34426	35.31	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	70.62%	
35) Dibromofluoromethane	4.11	113	53299	39.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.78%	
50) Toluene-d8	7.55	98	137003	35.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	71.34%	
62) 4-Bromofluorobenzene	11.40	95	49592	31.91	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	63.82%	
Target Compounds						
16) Acetone	2.24	43	7004	33.479	ug/l	97
20) Methylene Chloride	2.17	84	11580m	8.224	ug/l	
40) Benzene	4.63	78	20574	4.413	ug/l #	89
52) Toluene	7.61	92	20084	7.103	ug/l	94

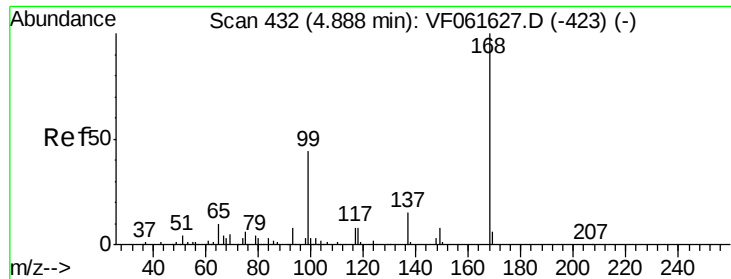
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.02 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

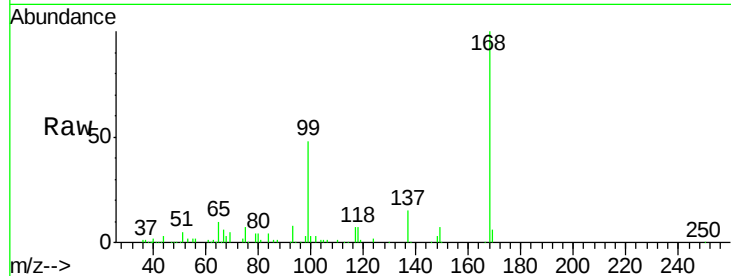
COMP-DAY-2

Tot Ion:168 Resp: 132969

Ion Ratio Lower Upper

168 100

99 48.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

50000

40000

30000

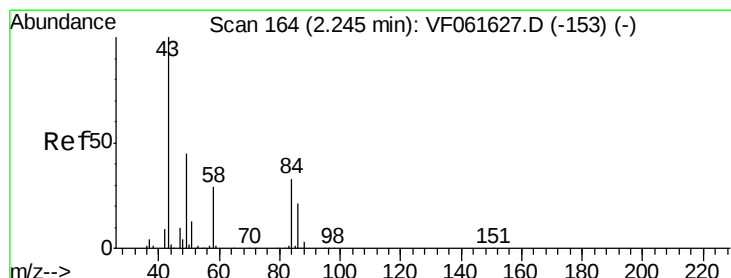
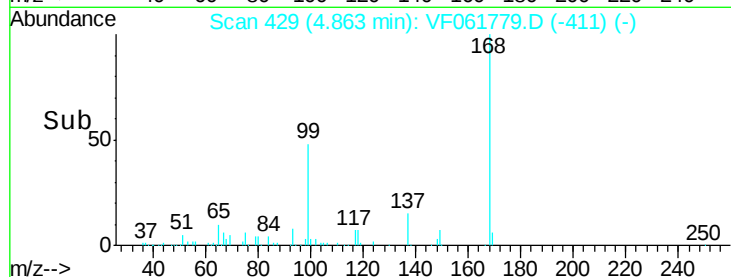
20000

10000

0

4.70 4.80 4.90 5.00

Time-->



#16

Acetone

Concen: 33.479 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061779.D

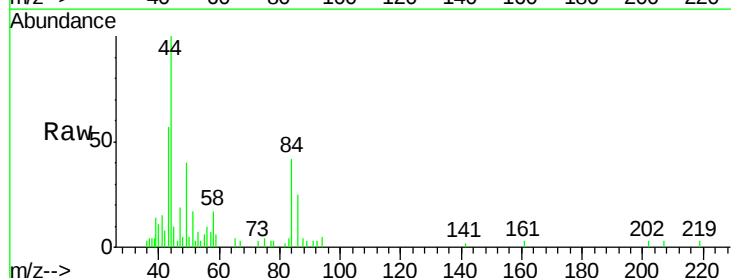
Acq: 27 Feb 2019 21:22

Tgt Ion: 43 Resp: 7004

Ion Ratio Lower Upper

43 100

58 30.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

2500

2000

1500

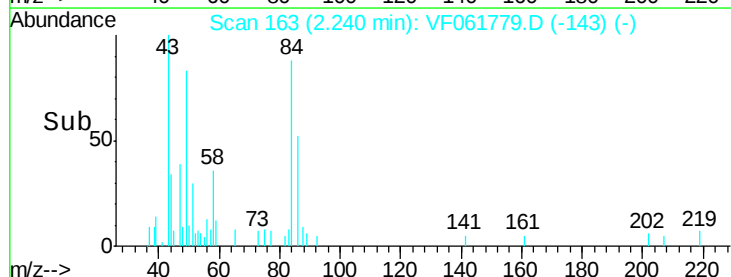
1000

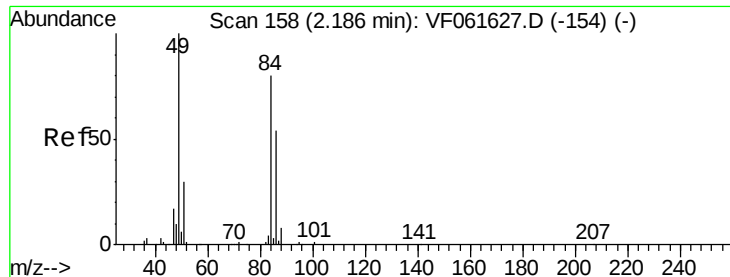
500

0

2.15 2.20 2.25 2.30 2.35

Time-->





#20

Methylene Chloride

Concen: 8.224 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

COMP-DAY-2

Tot Ion: 84 Resp: 11580

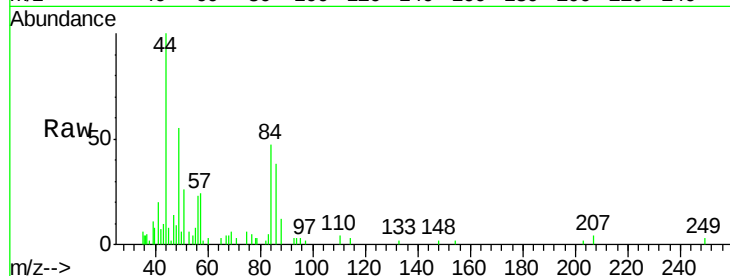
Ion Ratio Lower Upper

84 100

49 117.9 101.8 152.8

51 55.2 31.1 46.7#

86 81.6 54.4 81.6

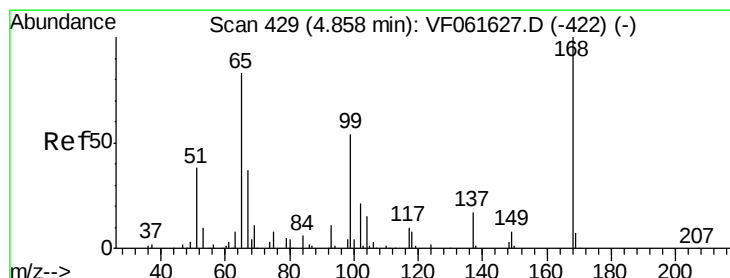
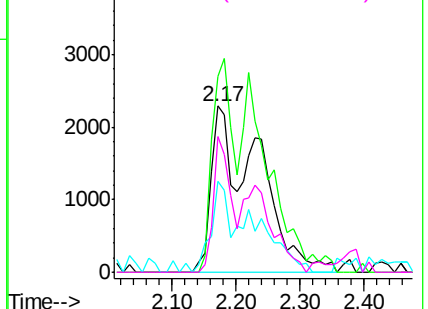
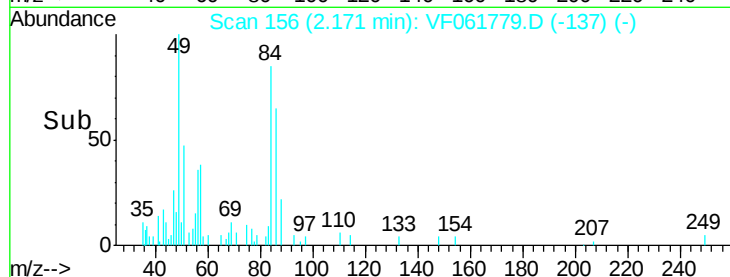


Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 35.306 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.01 min

Lab File: VF061779.D

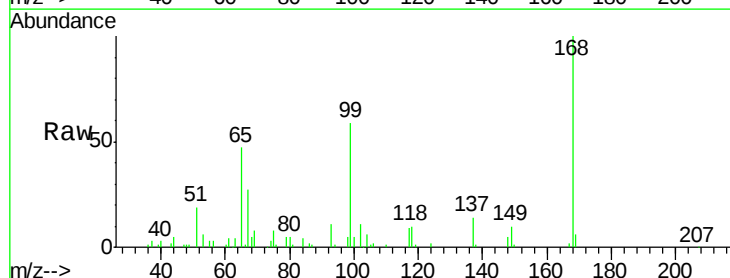
Acq: 27 Feb 2019 21:22

Tgt Ion: 65 Resp: 34426

Ion Ratio Lower Upper

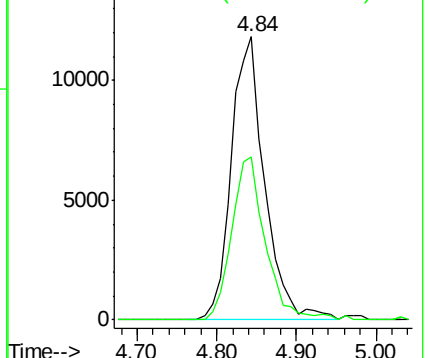
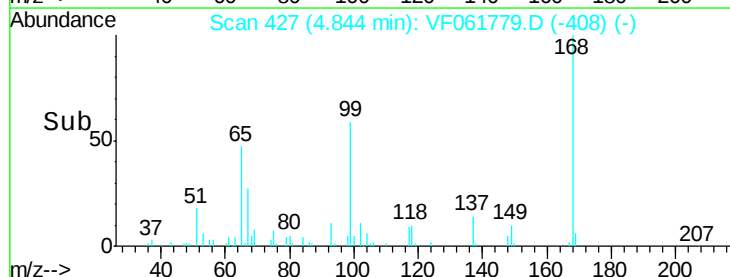
65 100

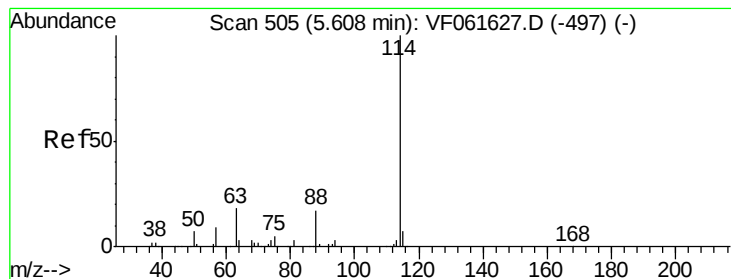
67 57.7 0.0 104.0



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: 5.59 min Scan# 503

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

COMP-DAY-2

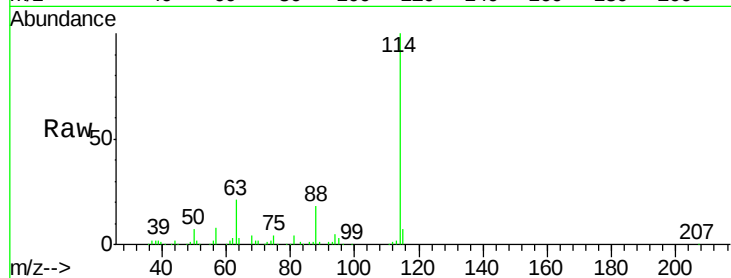
Tot Ion:114 Resp: 179928

Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

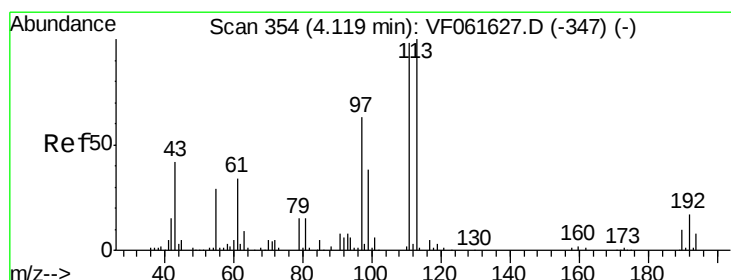
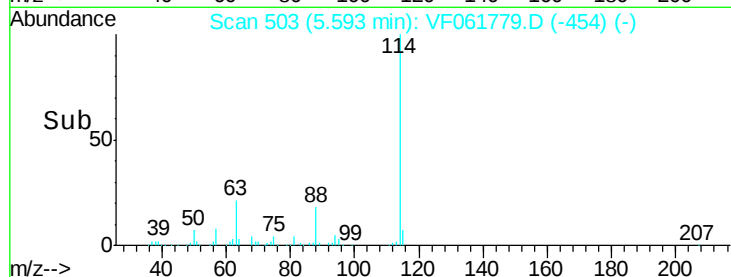
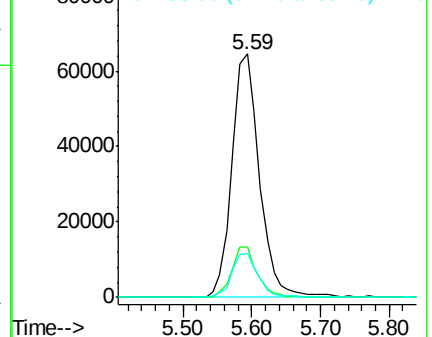
88 18.0 0.0 34.4



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: 39.890 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

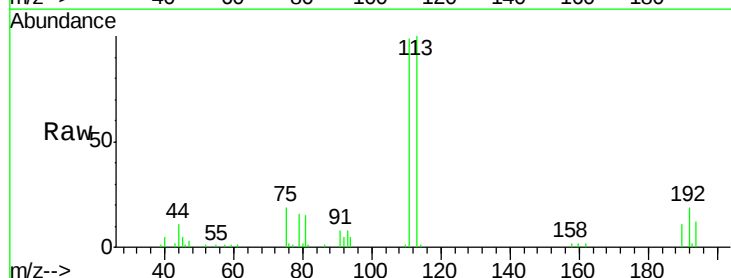
Tgt Ion:113 Resp: 53299

Ion Ratio Lower Upper

113 100

111 98.8 78.8 118.2

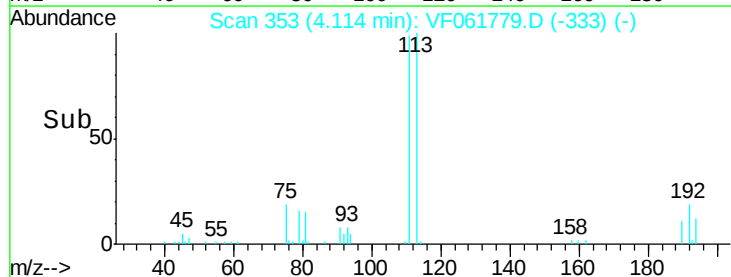
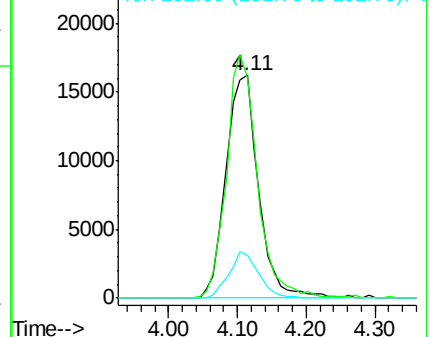
192 20.7 13.4 20.0#

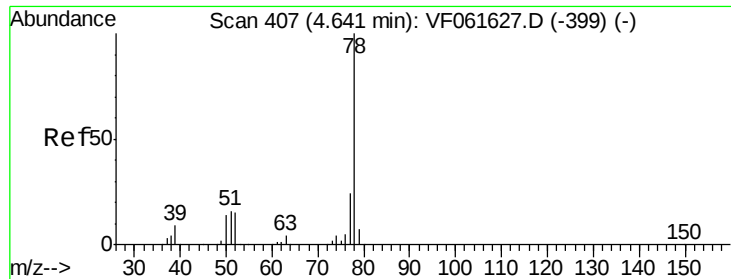


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#40

Benzene

Concen: 4.413 ug/l

RT: 4.63 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

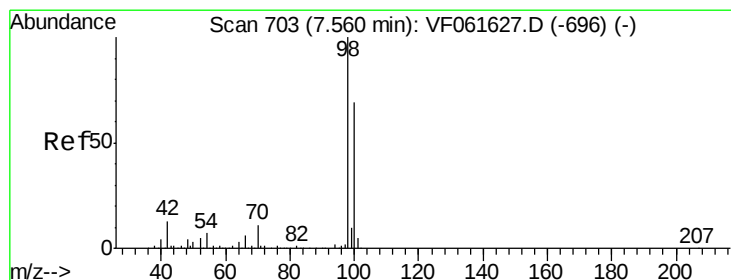
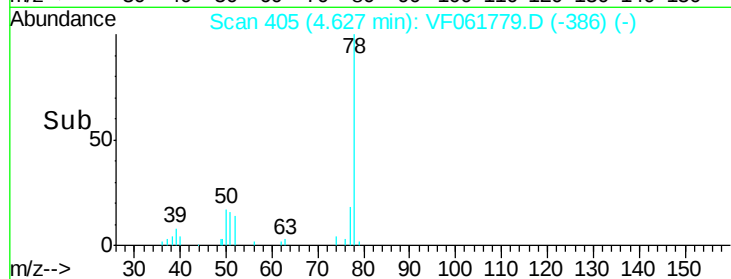
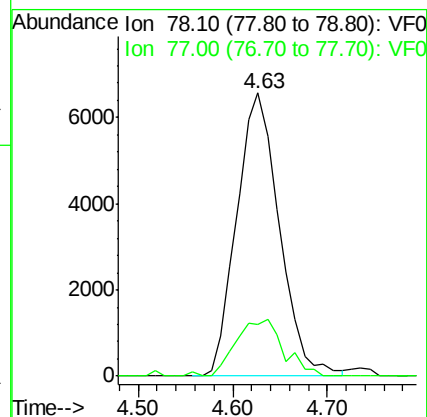
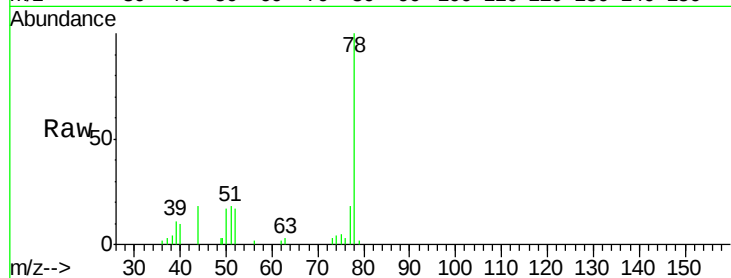
COMP-DAY-2

Tot Ion: 78 Resp: 20574

Ion Ratio Lower Upper

78 100

77 18.3 19.0 28.6#



#50

Toluene-d8

Concen: 35.668 ug/l

RT: 7.55 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF061779.D

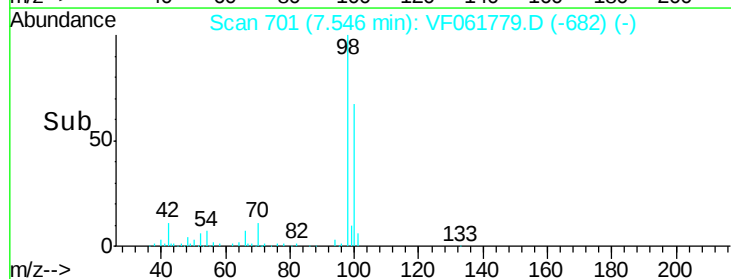
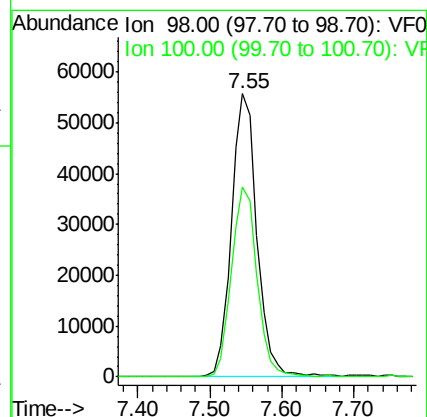
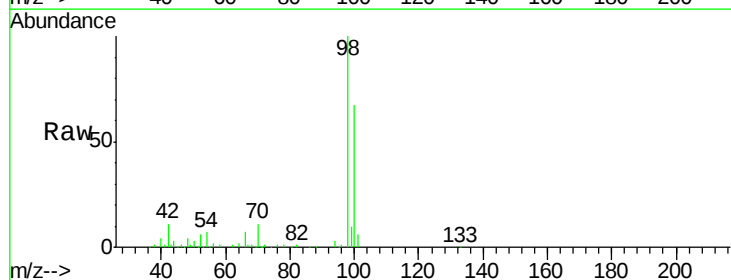
Acq: 27 Feb 2019 21:22

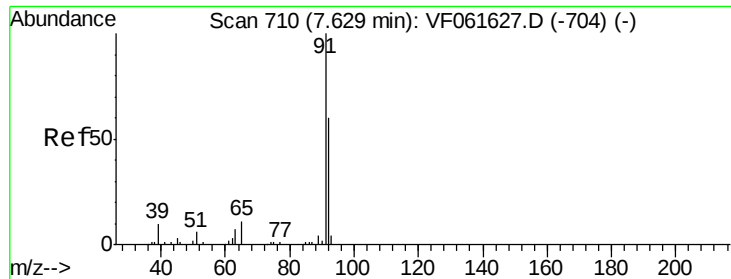
Tgt Ion: 98 Resp: 137003

Ion Ratio Lower Upper

98 100

100 67.3 55.4 83.2





#52

Toluene

Concen: 7.103 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

Instrument :

MSVOA_F

ClientSampleId :

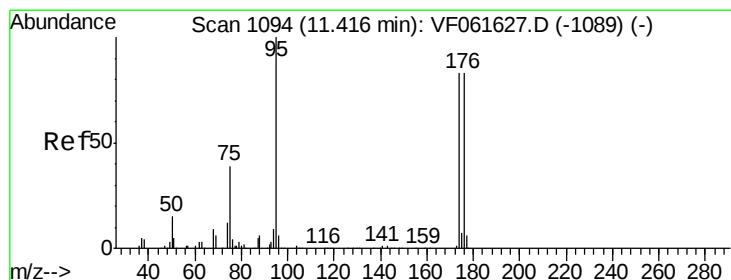
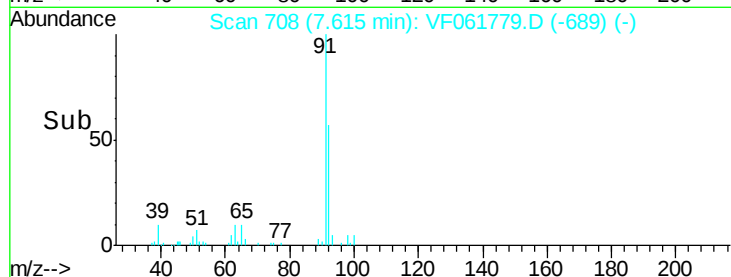
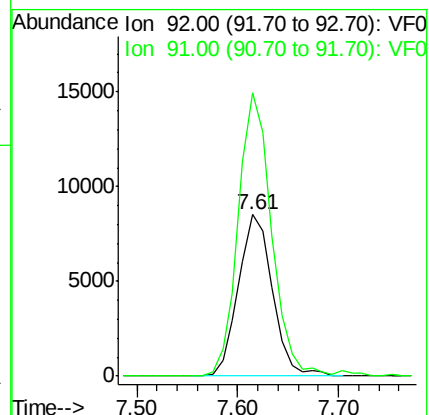
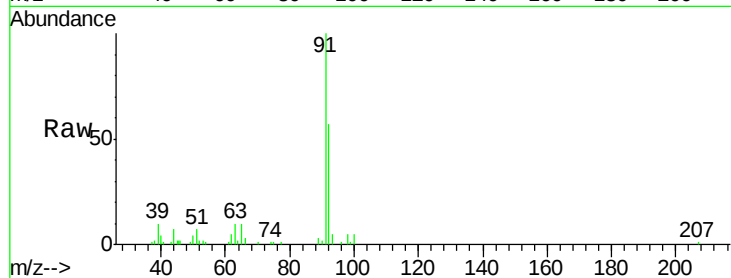
COMP-DAY-2

Tot Ion: 92 Resp: 20084

Ion Ratio Lower Upper

92 100

91 175.5 133.9 200.9



#62

4-Bromofluorobenzene

Concen: 31.909 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061779.D

Acq: 27 Feb 2019 21:22

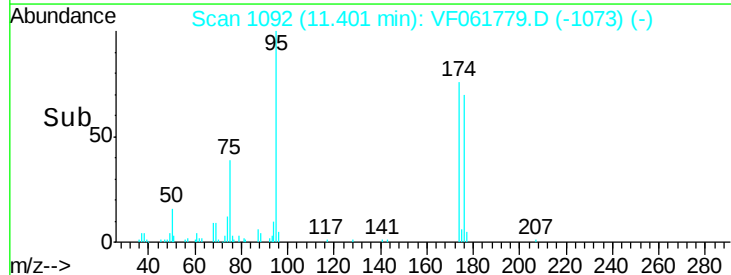
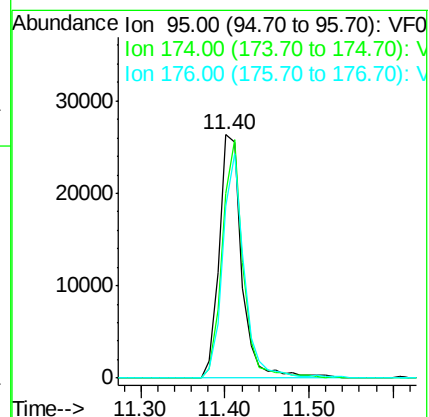
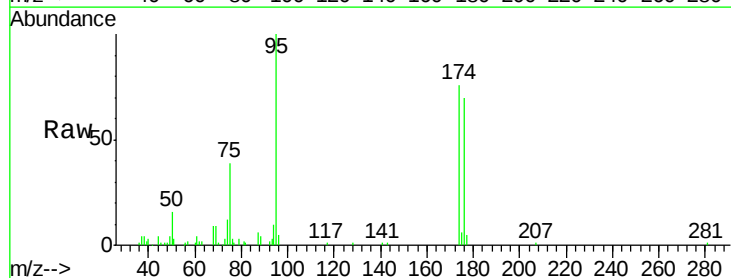
Tgt Ion: 95 Resp: 49592

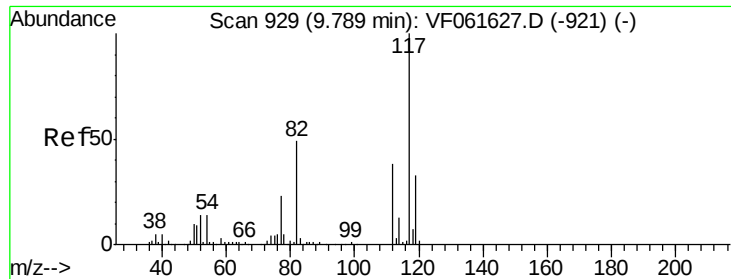
Ion Ratio Lower Upper

95 100

174 75.8 0.0 165.8

176 70.4 0.0 167.0

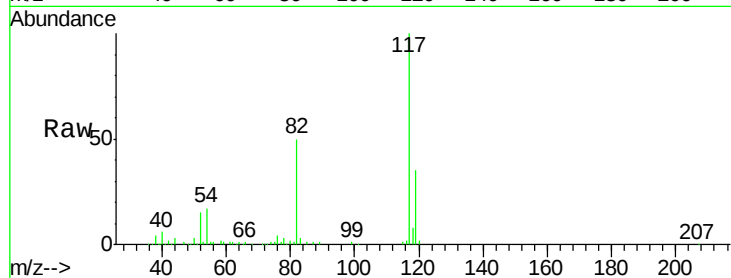




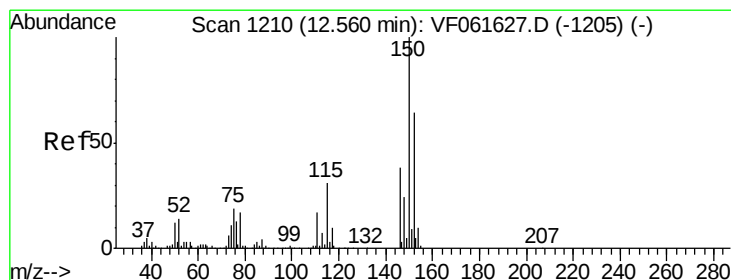
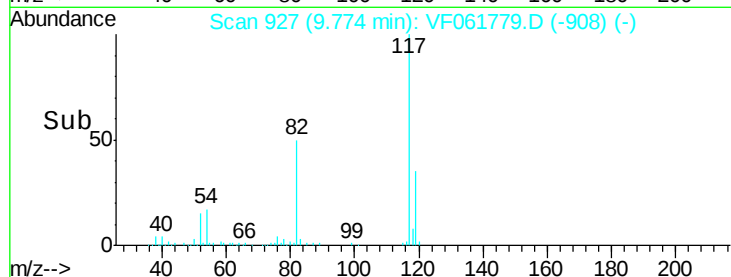
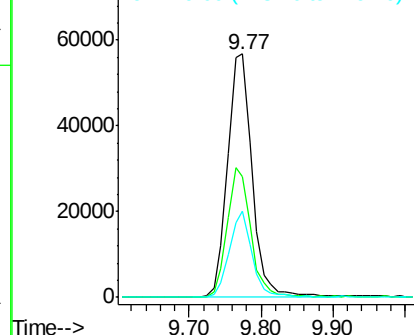
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Instrument :
MSVOA_F
ClientSampleId :
COMP-DAY-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	39.3	58.9
119	35.3	26.6	40.0

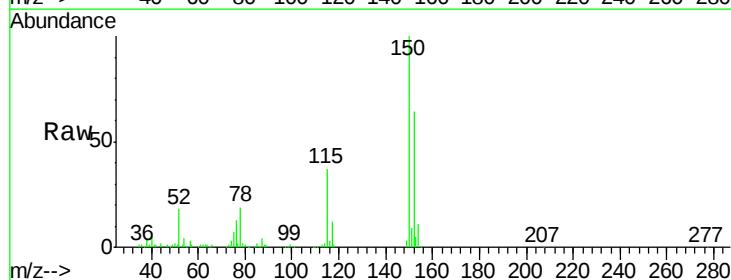


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.01 min
Lab File: VF061779.D
Acq: 27 Feb 2019 21:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	24.3	72.8
150	155.1	0.0	312.0



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

