

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062222.D
 Acq On : 19 Apr 2019 13:54
 Operator : FY/SY
 Sample : K2197-07RE
 Misc : 6.43g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-041619-BRE

Quant Time: Apr 19 15:55:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	401318	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	602969	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	436540	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	224324	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	222067	60.35	ug/l	0.03
Spiked Amount			Recovery	=	120.70%	
35) Dibromofluoromethane	4.32	113	285514	54.13	ug/l	0.02
Spiked Amount			Recovery	=	108.26%	
50) Toluene-d8	7.72	98	636533	47.68	ug/l	0.02
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.50	95	247099	48.11	ug/l	0.02
Spiked Amount			Recovery	=	96.22%	

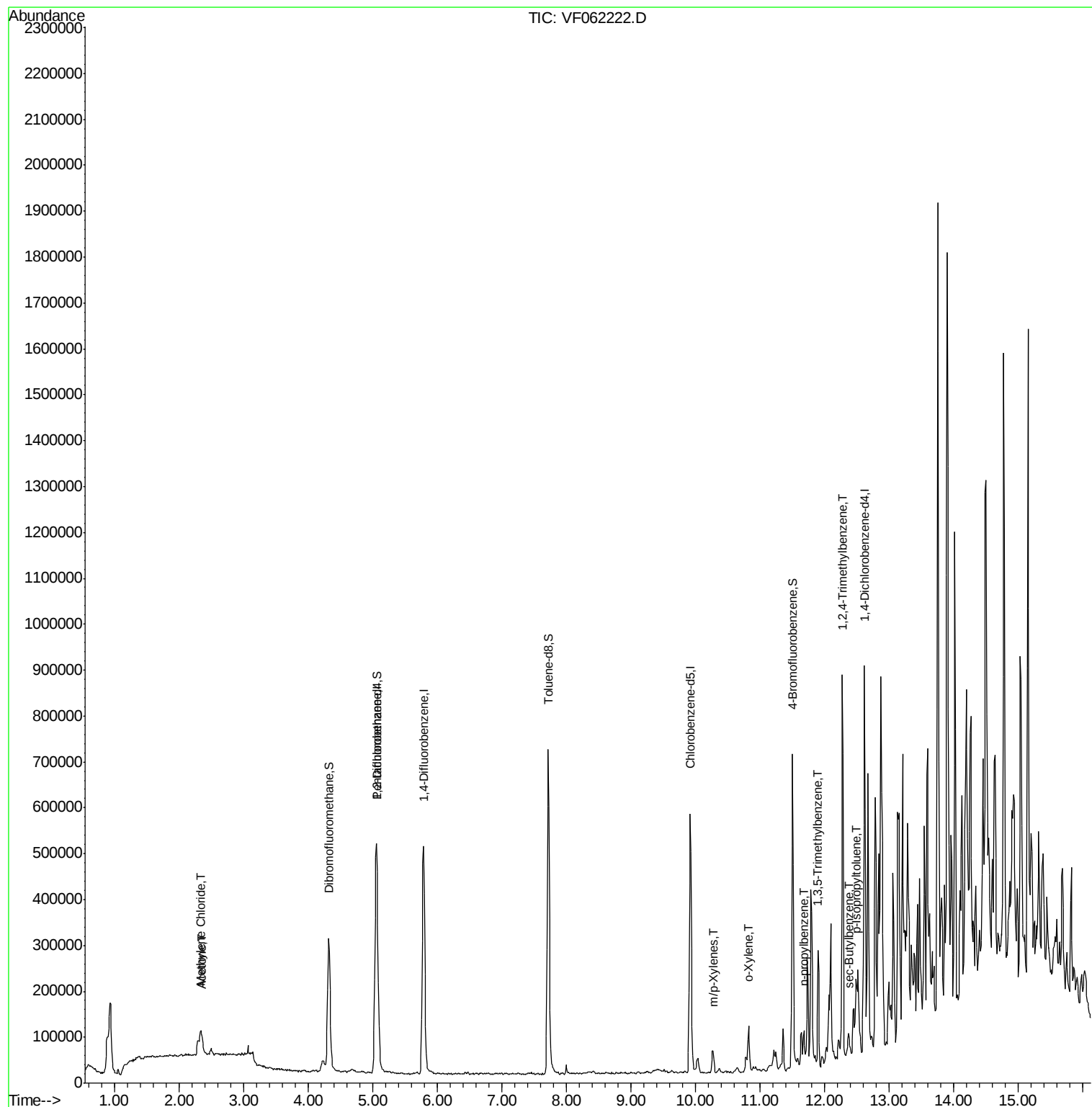
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.36	43	17026	19.357	ug/l	100
20) Methylene Chloride	2.33	84	51026	6.345	ug/l	96
68) m/p-Xylenes	10.27	106	18474	2.965	ug/l	93
69) o-Xylene	10.82	106	27038	3.908	ug/l	97
78) n-propylbenzene	11.68	91	50642	2.491	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	128991	8.037	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	387602	24.957	ug/l	100
85) sec-Butylbenzene	12.37	105	33551	1.557	ug/l	92
86) p-Isopropyltoluene	12.50	119	86413	4.728	ug/l	98

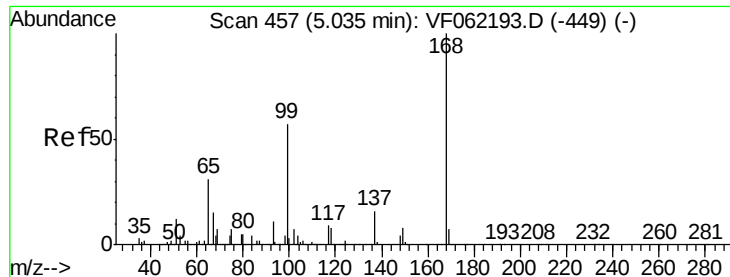
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

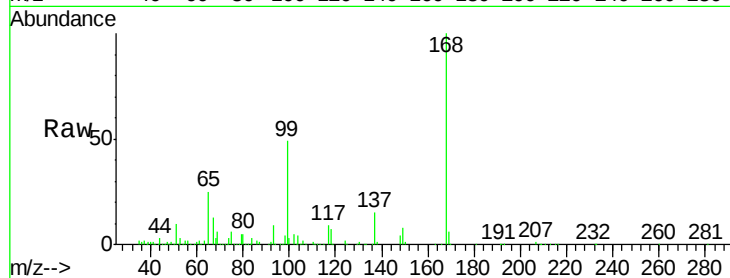
CL-01-041619-BRE

Tot Ion:168 Resp: 401318

Ion Ratio Lower Upper

168 100

99 49.3 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

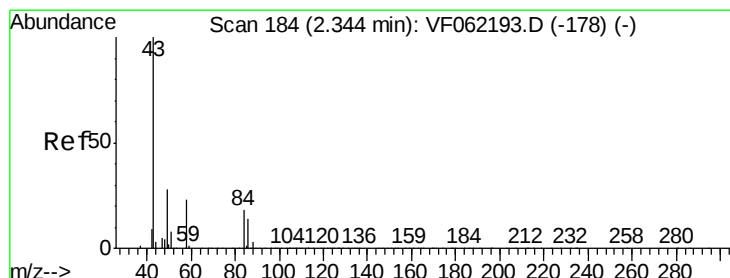
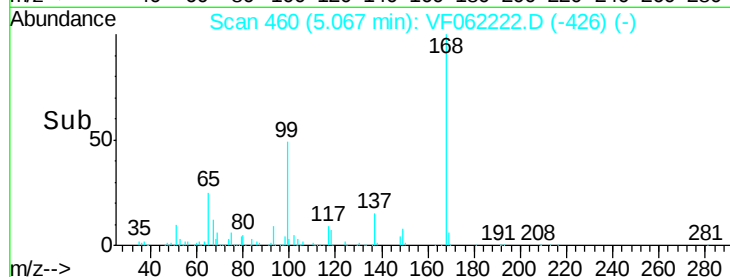
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 19.357 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062222.D

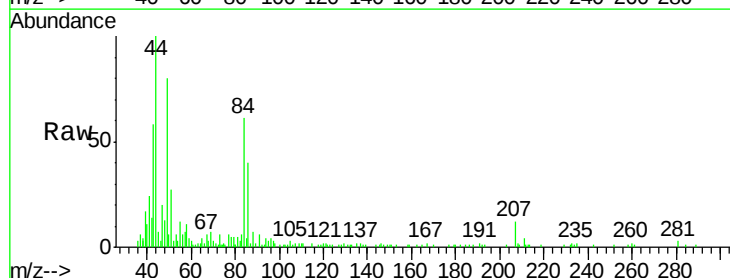
Acq: 19 Apr 2019 13:54

Tgt Ion: 43 Resp: 17026

Ion Ratio Lower Upper

43 100

58 23.7 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.36

8000

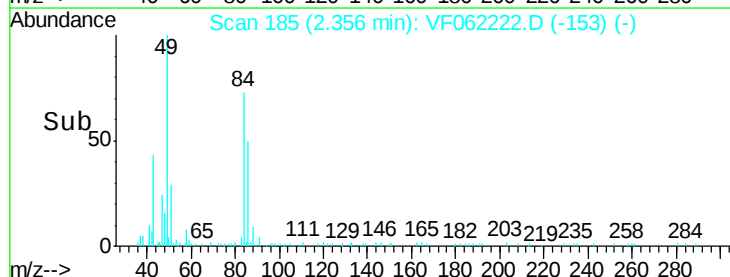
6000

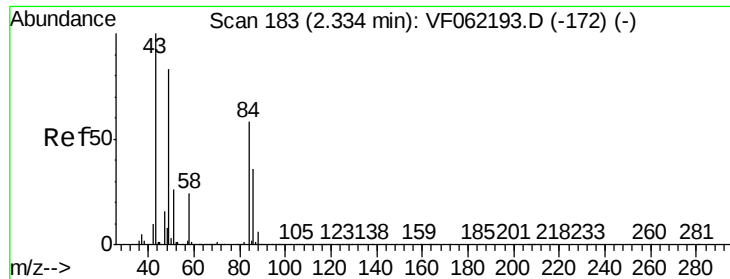
4000

2000

0

Time-->

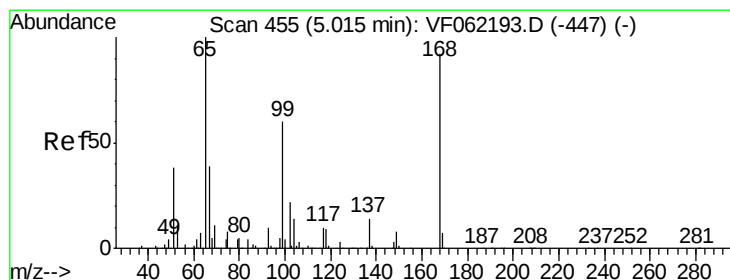
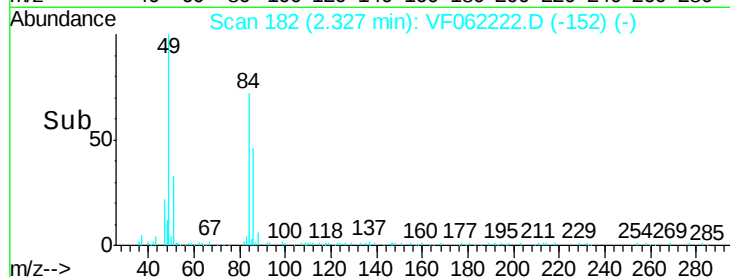
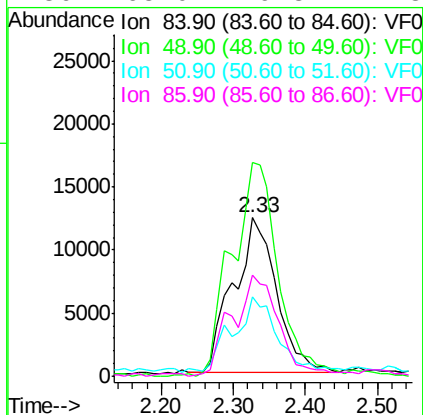
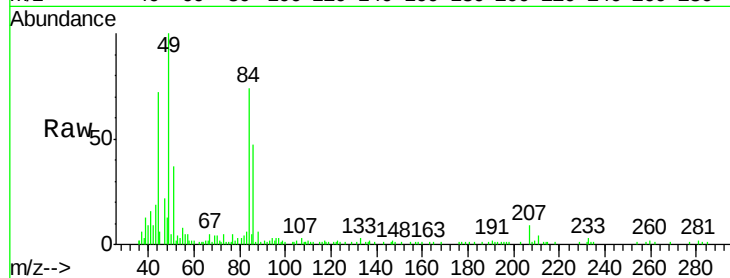




#20
Methylene Chloride
Concen: 6.345 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062222.D
Acq: 19 Apr 2019 13:54

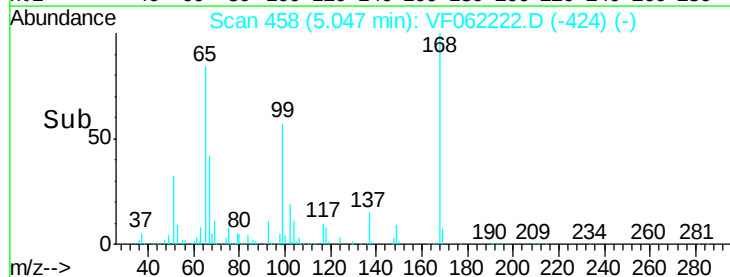
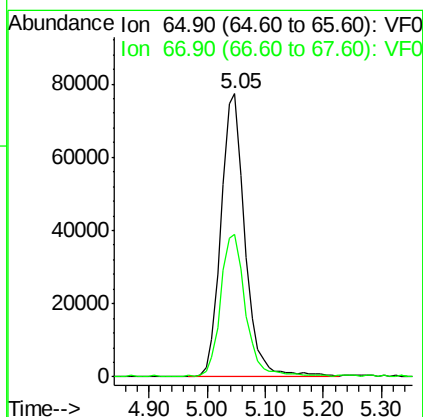
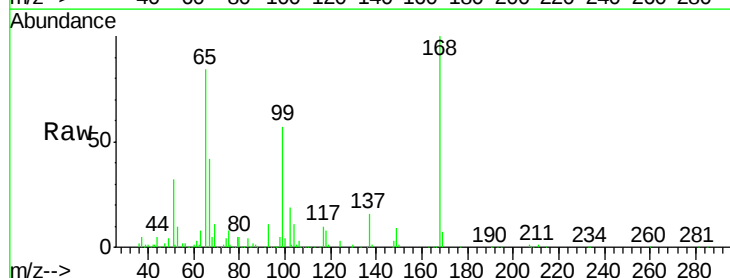
Instrument :
MSVOA_F
ClientSampleId :
CL-01-041619-BRE

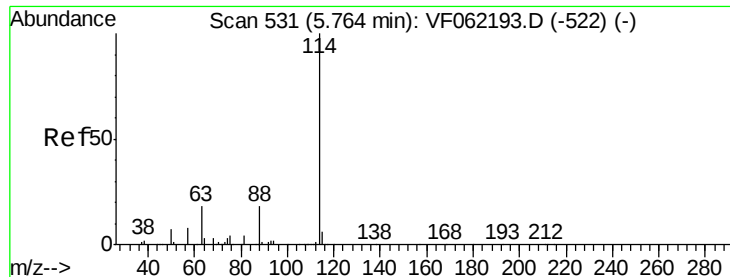
Tot Ion:	84	Resp:	51026
Ion	Ratio	Lower	Upper
84	100		
49	136.5	114.0	171.0
51	46.4	37.0	55.4
86	65.0	49.8	74.8



#33
1,2-Dichloroethane-d4
Concen: 60.347 ug/l
RT: 5.05 min Scan# 458
Delta R.T. 0.03 min
Lab File: VF062222.D
Acq: 19 Apr 2019 13:54

Tgt Ion:	65	Resp:	222067
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

CL-01-041619-BRE

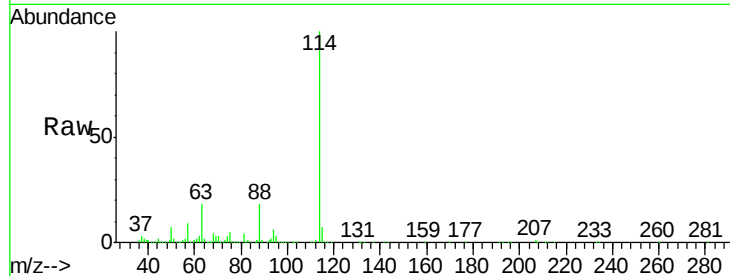
Tot Ion:114 Resp: 602969

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.6

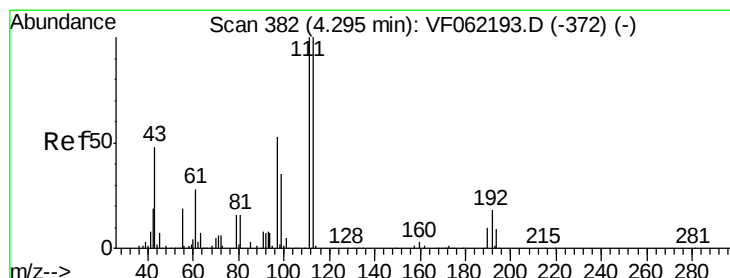
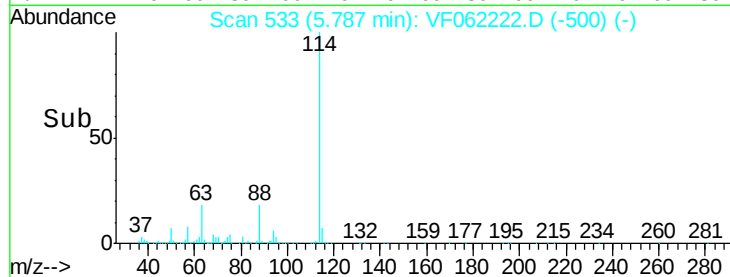
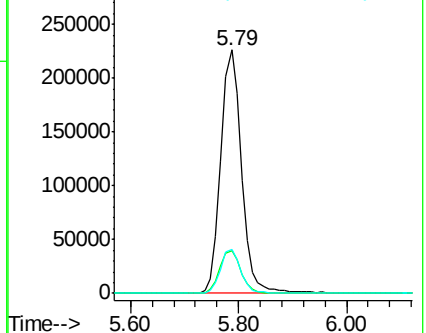
88 17.9 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 54.132 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

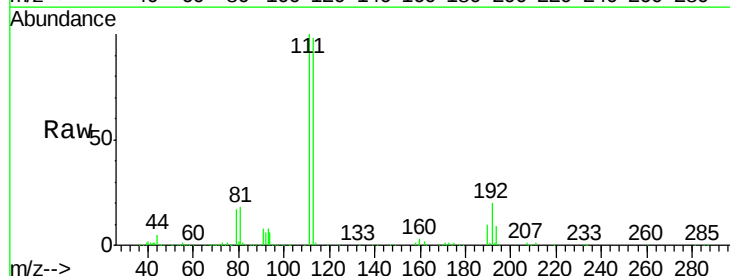
Tgt Ion:113 Resp: 285514

Ion Ratio Lower Upper

113 100

111 100.6 81.1 121.7

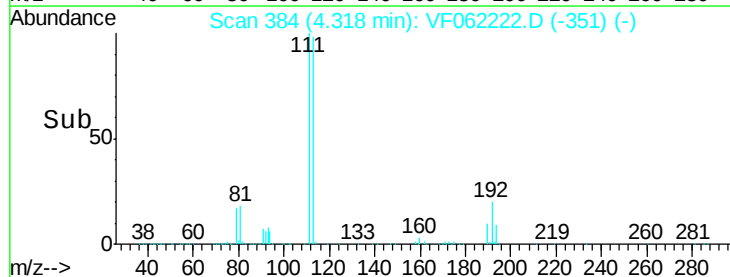
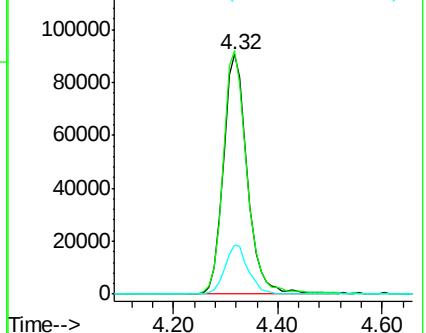
192 20.1 14.7 22.1

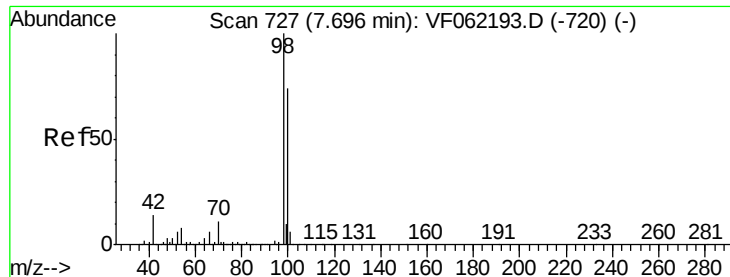


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.675 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.02 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

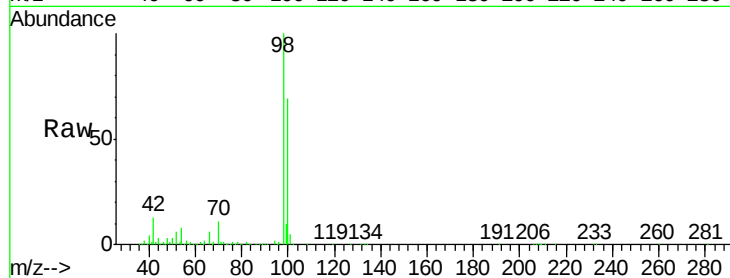
CL-01-041619-BRE

Tot Ion: 98 Resp: 636533

Ion Ratio Lower Upper

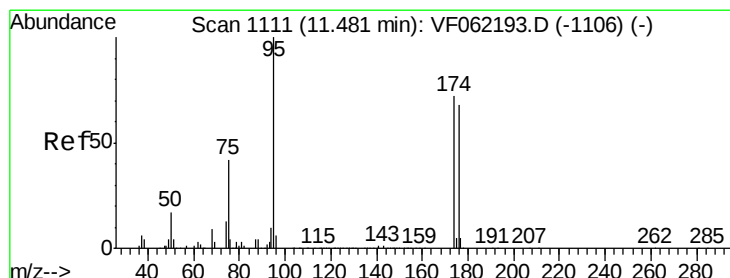
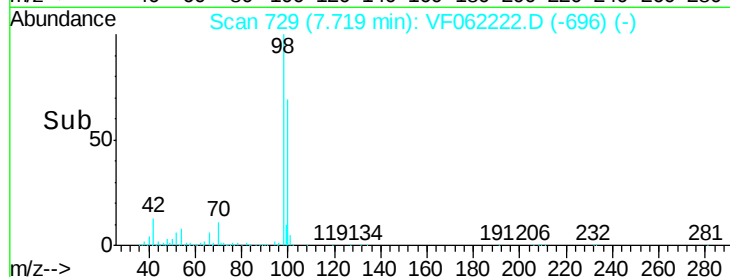
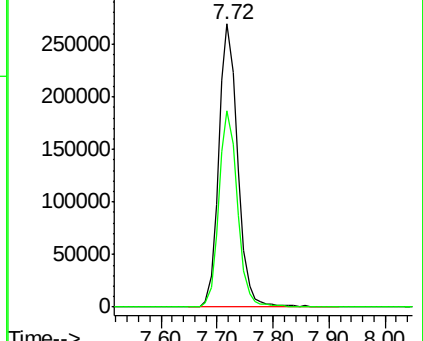
98 100

100 68.7 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#62

4-Bromofluorobenzene

Concen: 48.109 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

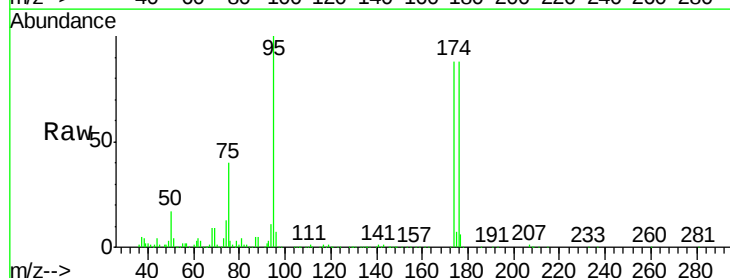
Tgt Ion: 95 Resp: 247099

Ion Ratio Lower Upper

95 100

174 86.7 0.0 159.4

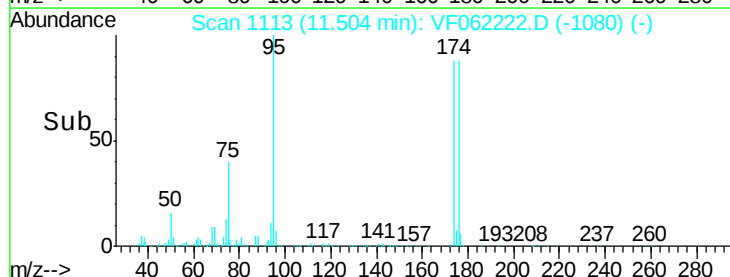
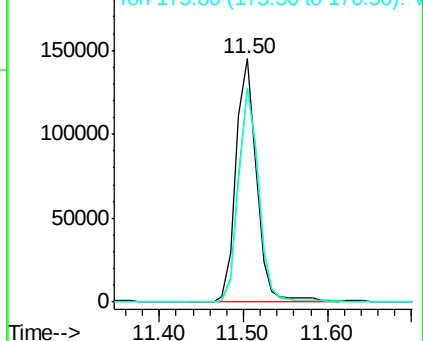
176 85.9 0.0 155.4

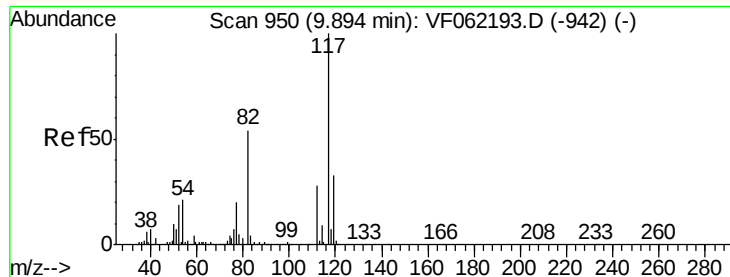


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

CL-01-041619-BRE

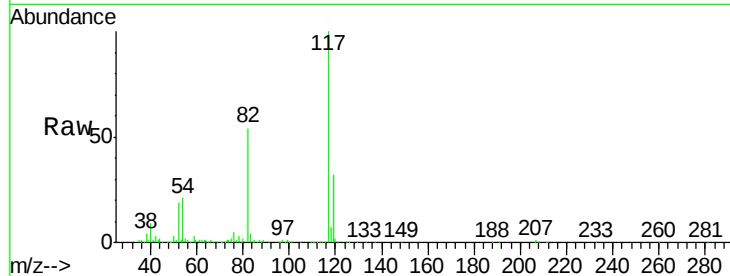
Tot Ion:117 Resp: 436540

Ion Ratio Lower Upper

117 100

82 54.3 43.2 64.8

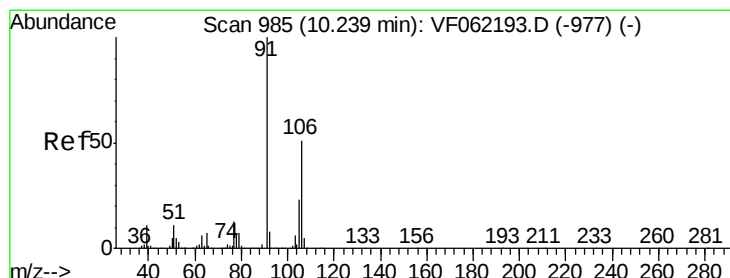
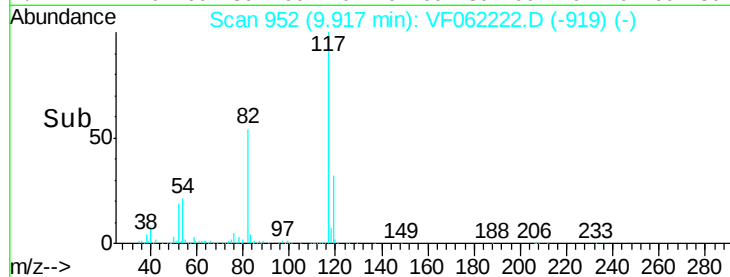
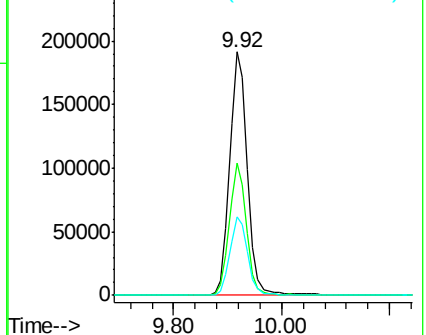
119 32.5 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#68

m/p-Xylenes

Concen: 2.965 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.03 min

Lab File: VF062222.D

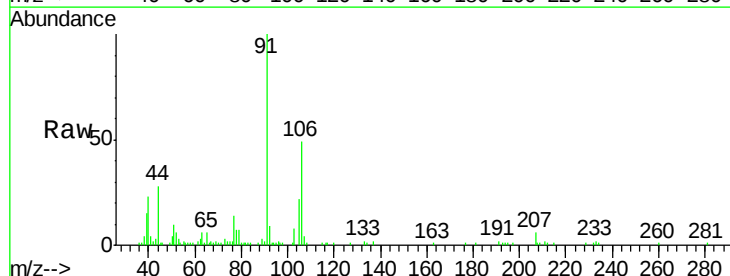
Acq: 19 Apr 2019 13:54

Tgt Ion:106 Resp: 18474

Ion Ratio Lower Upper

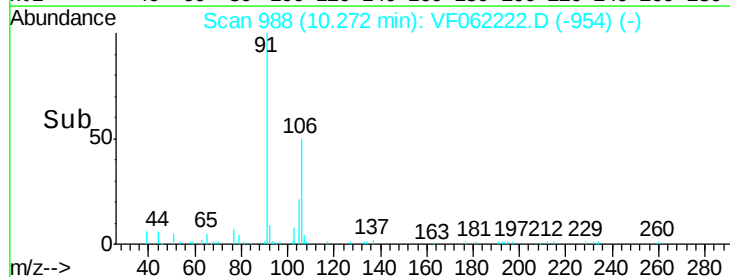
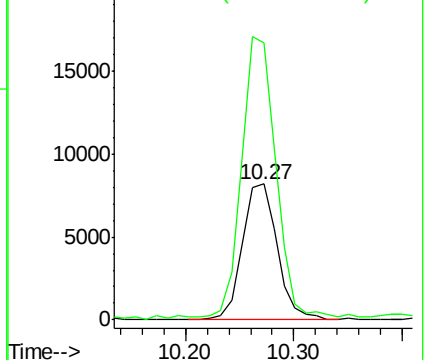
106 100

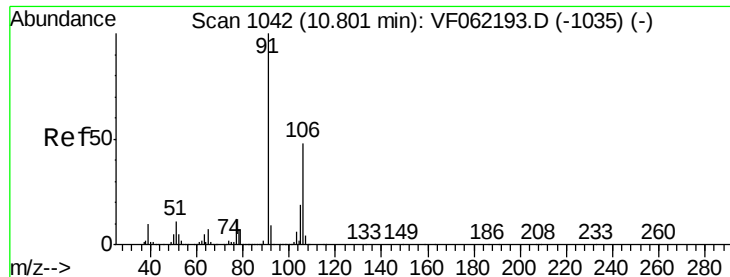
91 209.7 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

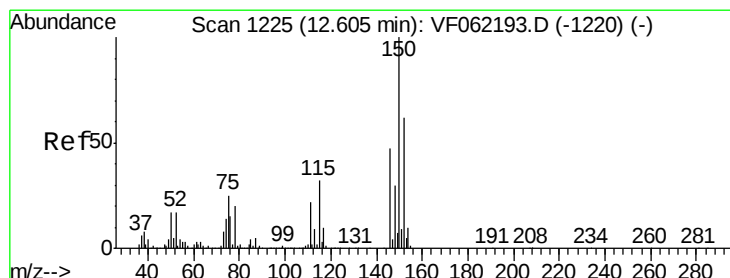
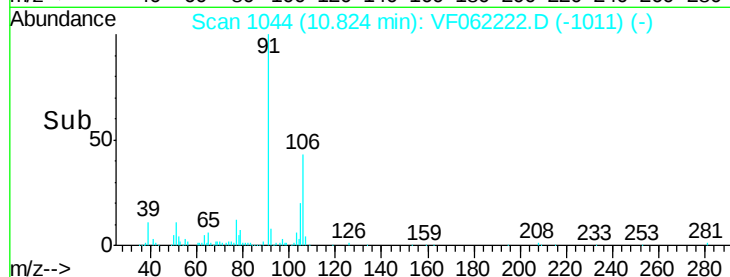
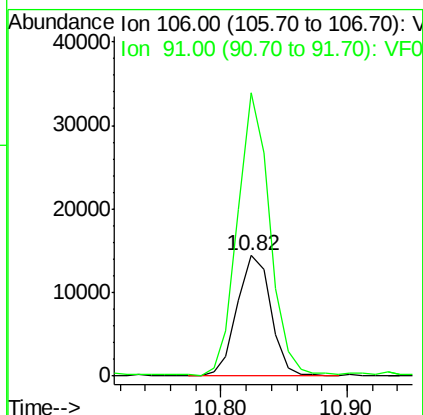
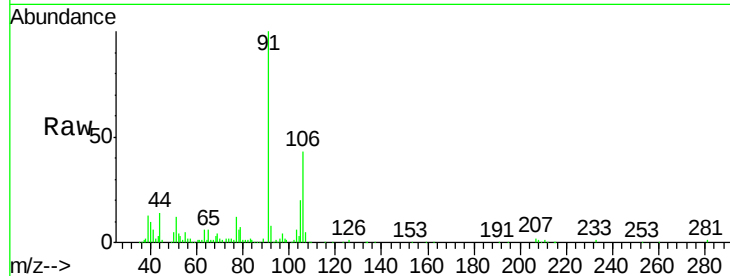




#69
o-Xylene
Concen: 3.908 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VF062222.D
Acq: 19 Apr 2019 13:54

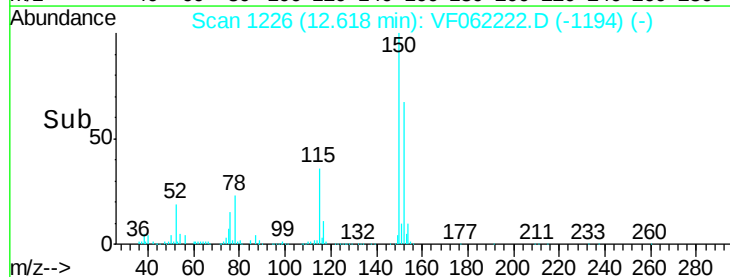
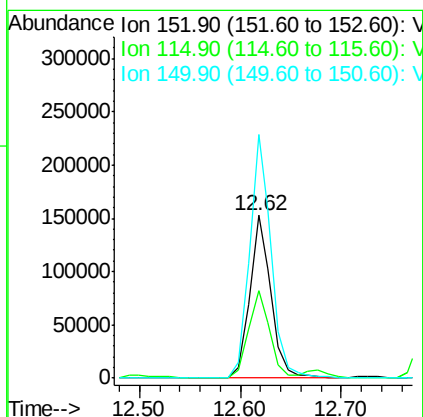
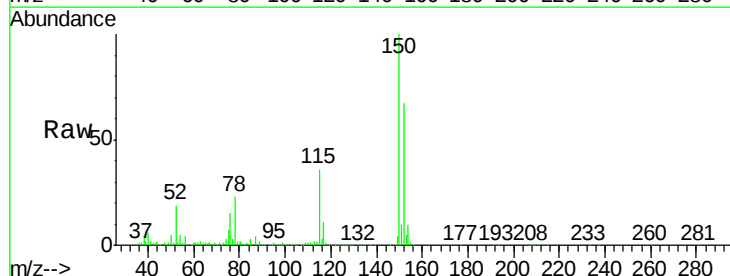
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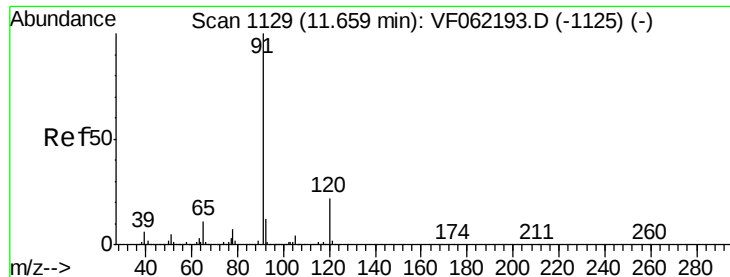
Tot Ion:106 Resp: 27038
Ion Ratio Lower Upper
106 100
91 219.7 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062222.D
Acq: 19 Apr 2019 13:54

Tgt Ion:152 Resp: 224324
Ion Ratio Lower Upper
152 100
115 54.6 27.8 83.3
150 152.2 0.0 341.8





#78

n-propylbenzene

Concen: 2.491 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.02 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

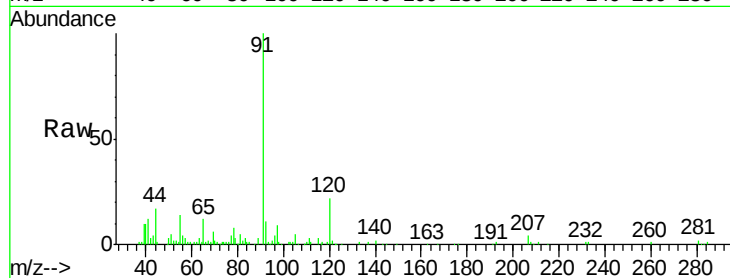
CL-01-041619-BRE

Tot Ion: 91 Resp: 50642

Ion Ratio Lower Upper

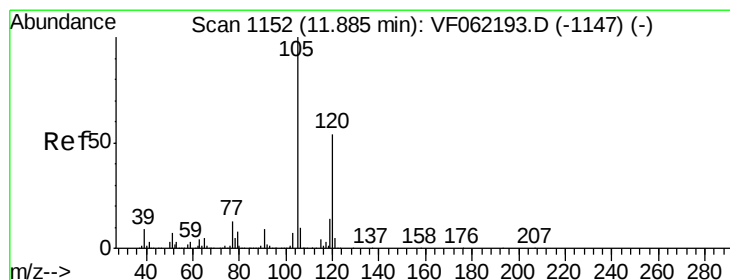
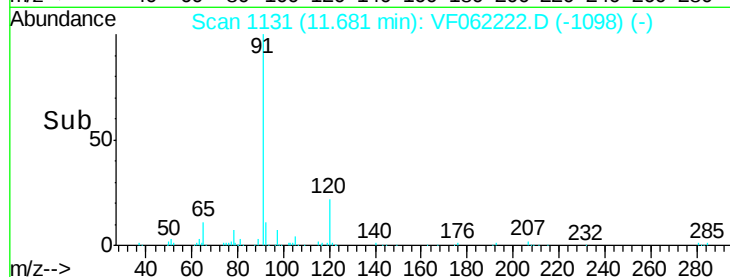
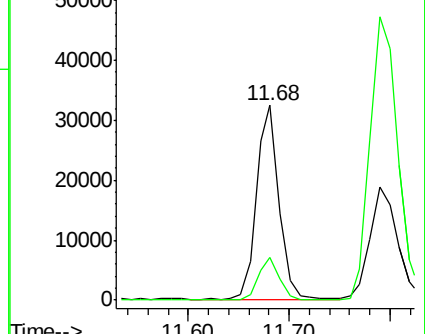
91 100

120 20.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 8.037 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062222.D

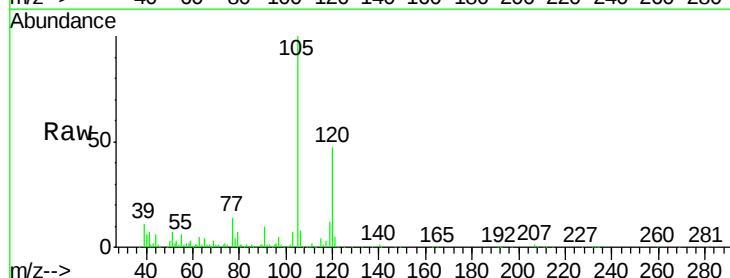
Acq: 19 Apr 2019 13:54

Tgt Ion:105 Resp: 128991

Ion Ratio Lower Upper

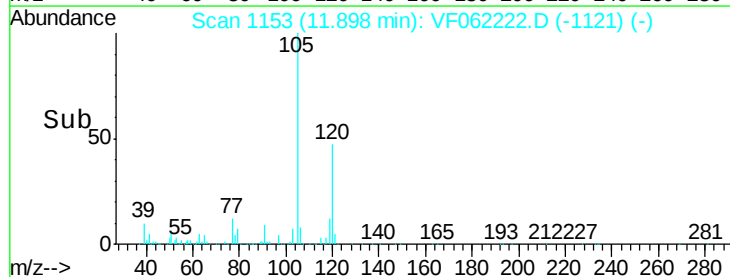
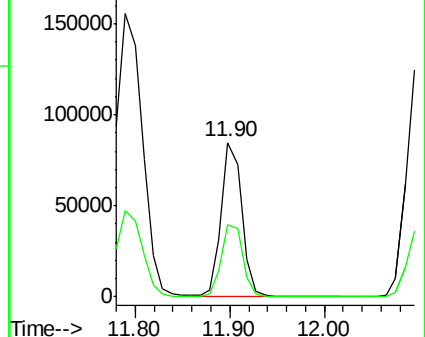
105 100

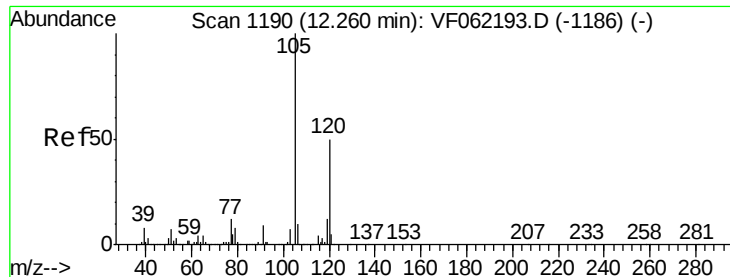
120 49.3 26.2 78.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 24.957 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062222.D

Acq: 19 Apr 2019 13:54

Instrument :

MSVOA_F

ClientSampleId :

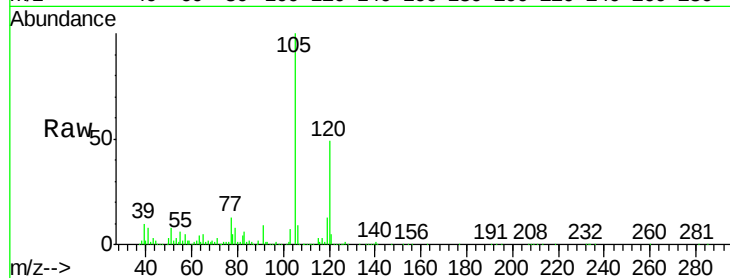
CL-01-041619-BRE

Tot Ion:105 Resp: 387602

Ion Ratio Lower Upper

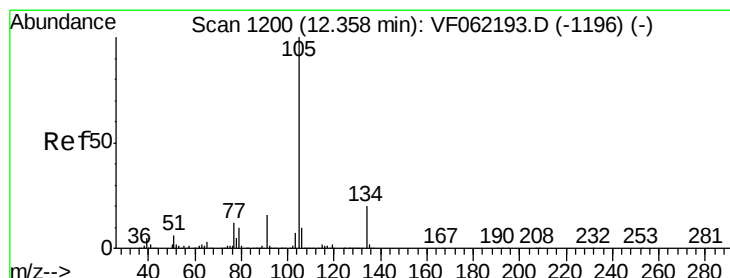
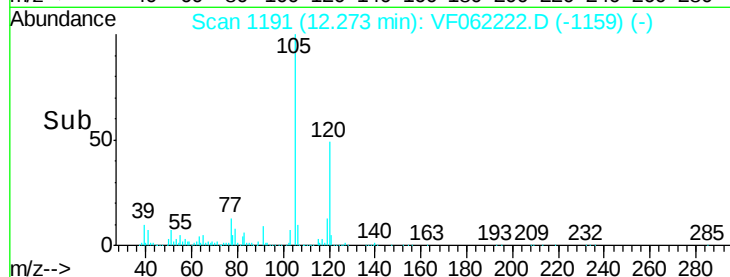
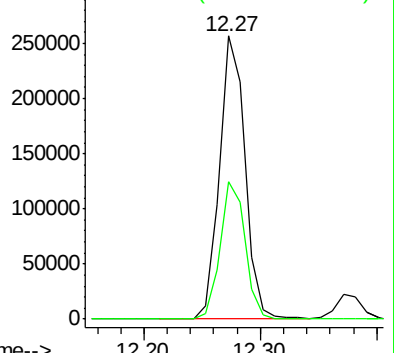
105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.557 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062222.D

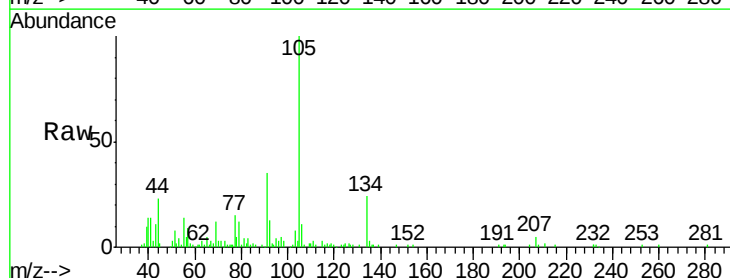
Acq: 19 Apr 2019 13:54

Tgt Ion:105 Resp: 33551

Ion Ratio Lower Upper

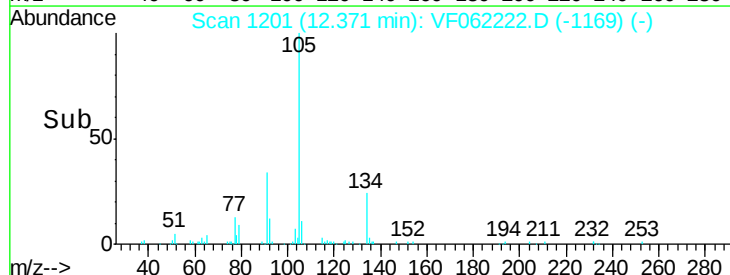
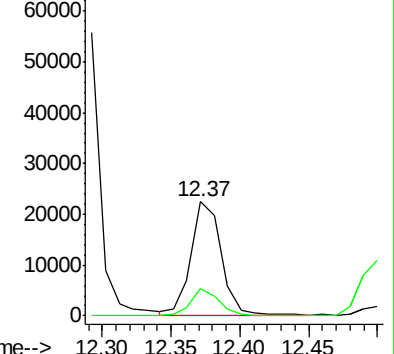
105 100

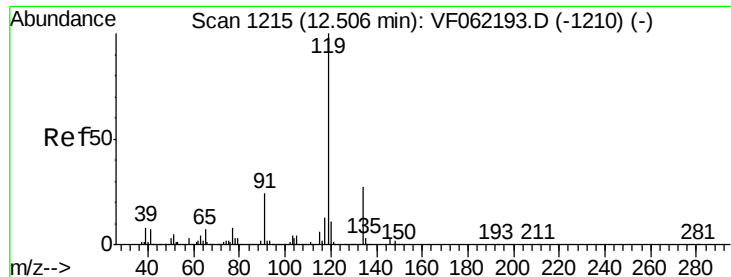
134 22.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

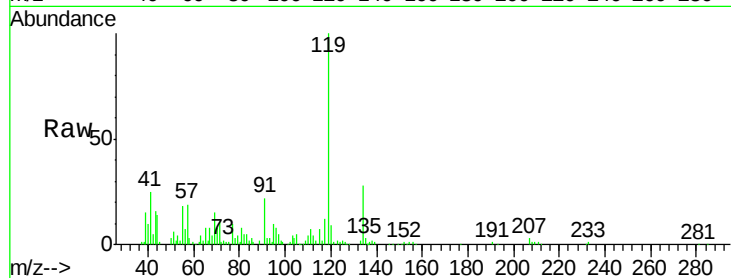




#86
 p-Isopropyltoluene
 Concen: 4.728 ug/l
 RT: 12.50 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: VF062222.D
 Acq: 19 Apr 2019 13:54

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-041619-BRE

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.2	39.5
91	24.6	11.7	35.1



Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

