

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011819\
 Data File : VF061466.D
 Acq On : 18 Jan 2019 18:26
 Operator : VA/AP
 Sample : K1013-07
 Misc : 6.51g/5mL/MSVOA-F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-011819-D

Manual Integrations
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MMDadoda
 1/21/2019 11:12:00 AM

Quant Time: Jan 19 04:40:13 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	4.85	168	195015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	352437	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	270968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	92555	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	123682	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
35) Dibromofluoromethane	4.10	113	143240	51.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.02%	
50) Toluene-d8	7.55	98	333726	43.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.60%	
62) 4-Bromofluorobenzene	11.40	95	118902	33.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.80%	
Target Compounds						
16) Acetone	2.23	43	14606	30.239	ug/l	96
20) Methylene Chloride	2.17	84	17719m	9.379	ug/l	
52) Toluene	7.62	92	28744	4.800	ug/l	99
68) m/p-Xylenes	10.12	106	11874	3.279	ug/l	97
69) o-Xylene	10.70	106	5036	1.283	ug/l	86
84) 1,2,4-Trimethylbenzene	12.20	105	14375	2.297	ug/l	93
95) Naphthalene	14.45	128	22346	5.646	ug/l	96

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

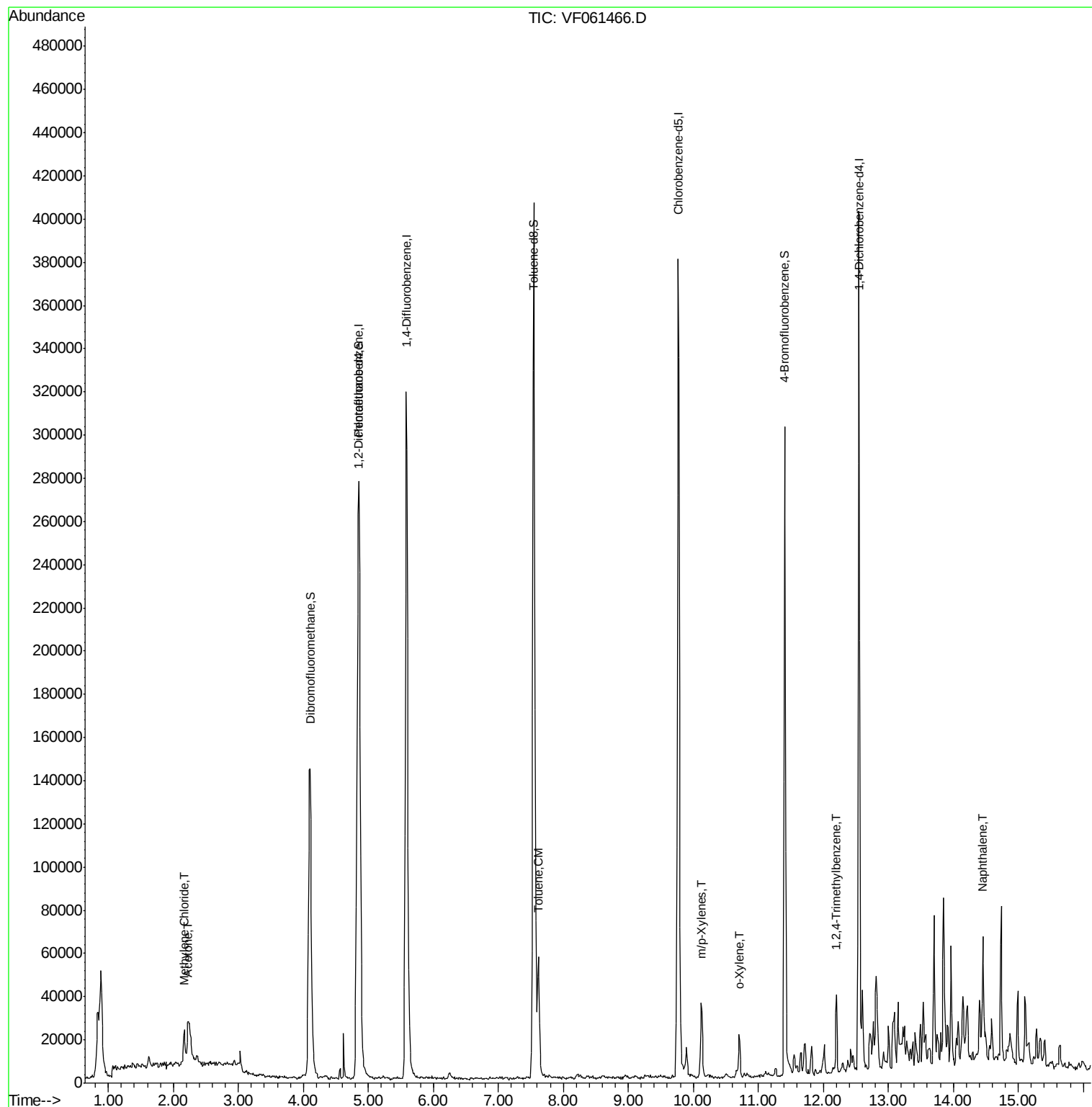
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF011819\
Data File : VF061466.D
Acq On : 18 Jan 2019 18:26
Operator : VA/AP
Sample : K1013-07
Misc : 6.51g/5mL/MSVOA-F/SOIL
ALS Vial : 16 Sample Multiplier: 1

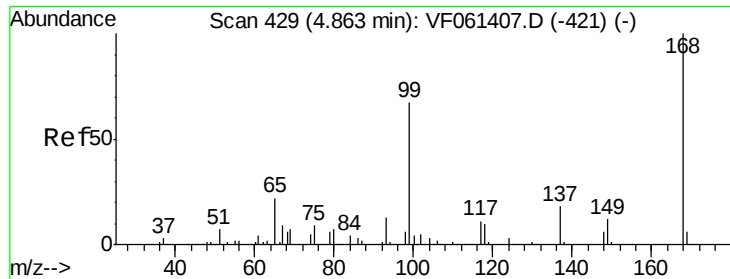
Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-D

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1/21/2019 11:12:00 AM

Quant Time: Jan 19 04:40:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
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: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-011819-D

Tot Ion:168 Resp: 195015

Ion Ratio Lower Upper

168 100

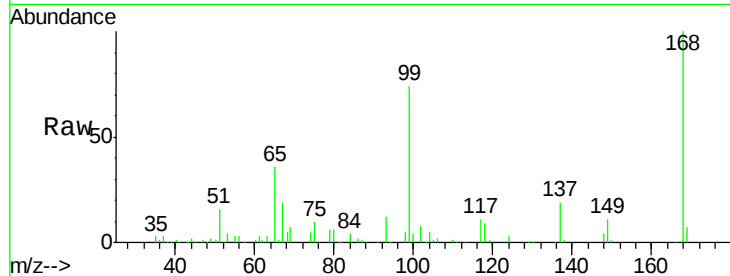
99 73.6 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

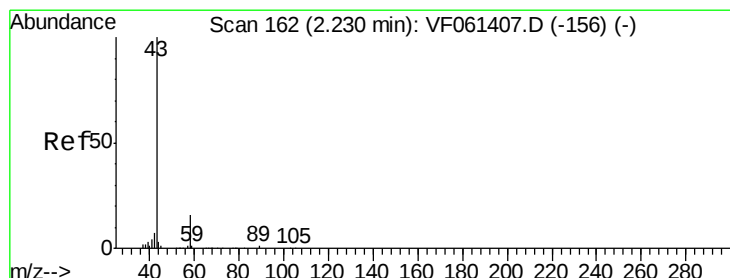
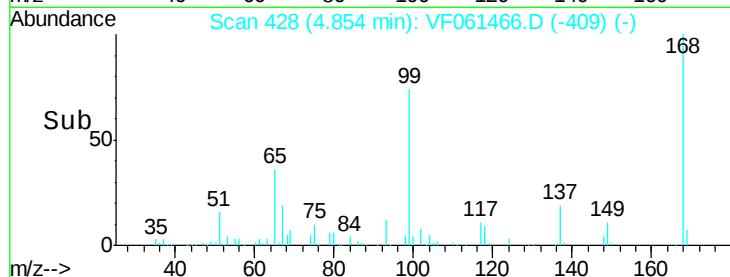
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 30.239 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.00 min

Lab File: VF061466.D

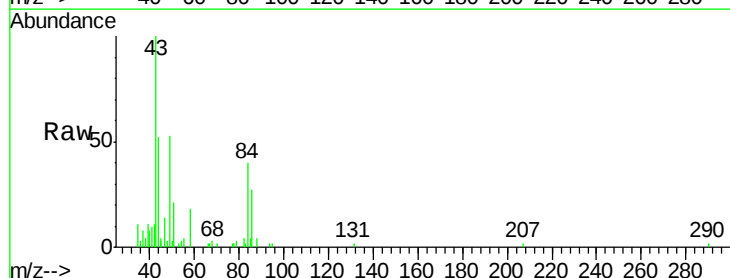
Acq: 18 Jan 2019 18:26

Tgt Ion: 43 Resp: 14606

Ion Ratio Lower Upper

43 100

58 18.4 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

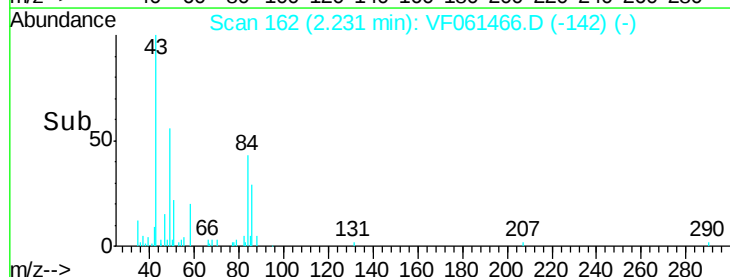
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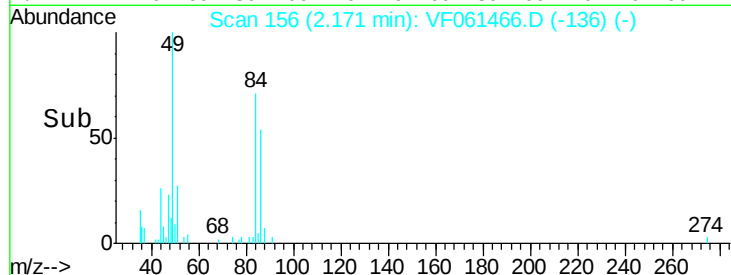
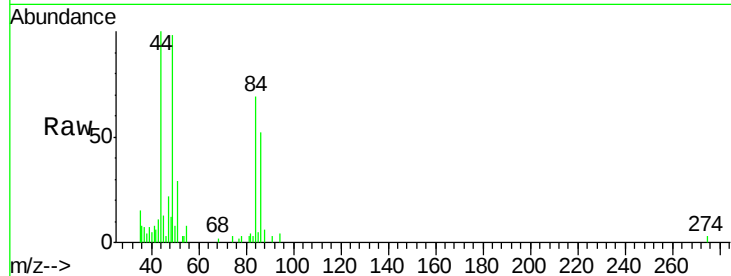
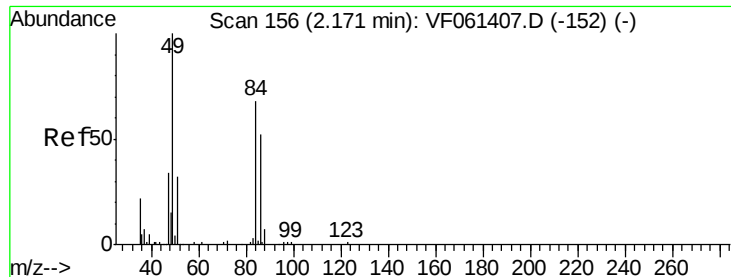
4000

2000

0

Time-->





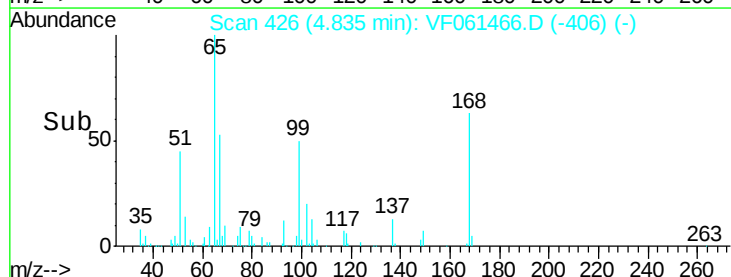
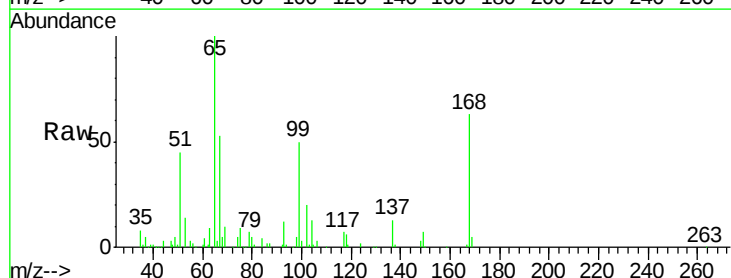
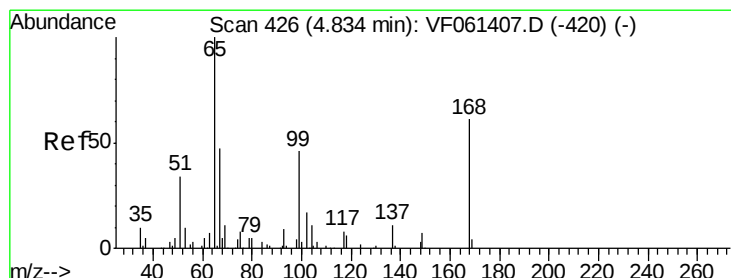
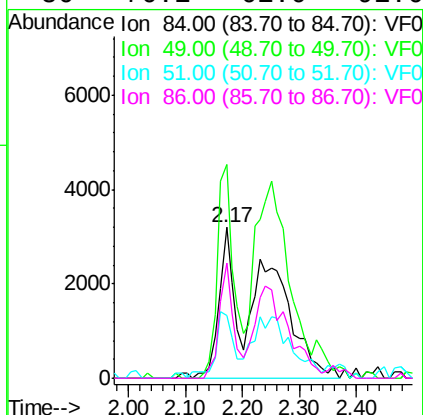
#20
Methvlene Chloride
Concen: 9.379 ug/l m
RT: 2.17 min Scan# 156
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Tot Ion	84	Resp	17719
Ion	Ratio	Lower	Upper
84	100		
49	141.6	120.0	180.0
51	41.5	38.6	58.0
86	76.1	61.0	91.6

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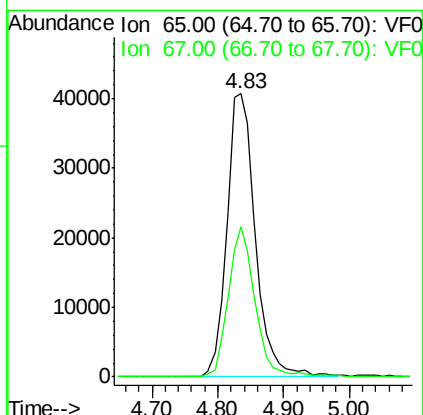
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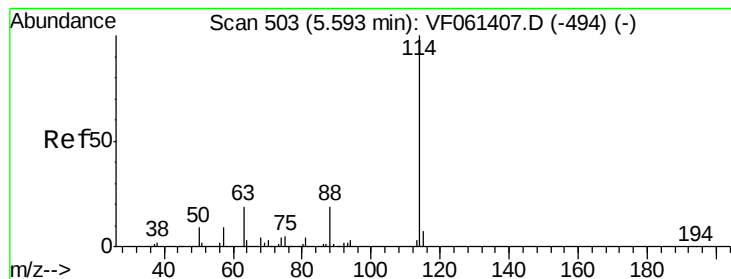
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#33
1,2-Dichloroethane-d4
Concen: 51.369 ug/l
RT: 4.83 min Scan# 426
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Tgt Ion	65	Resp	123682
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	99.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

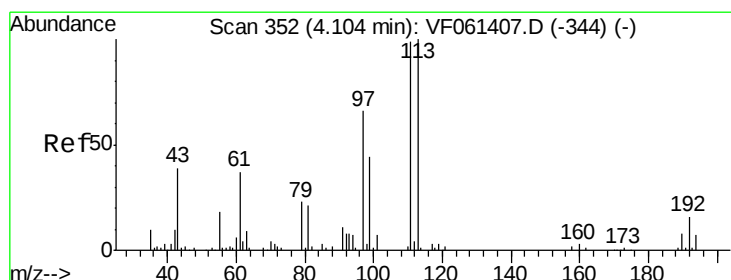
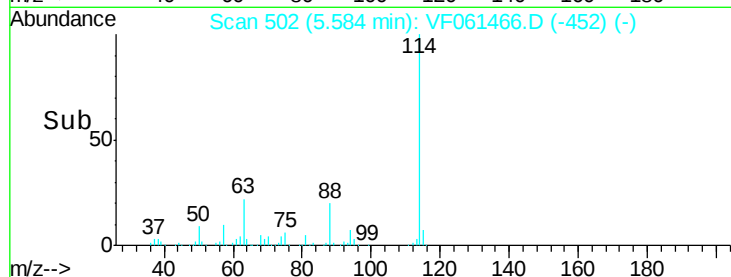
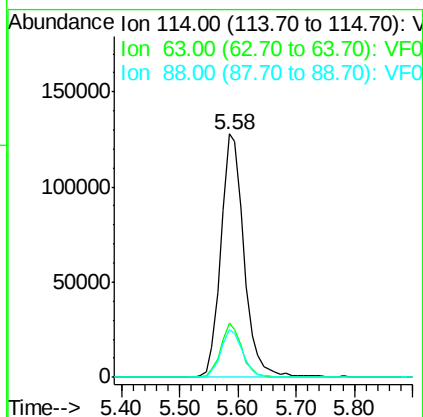
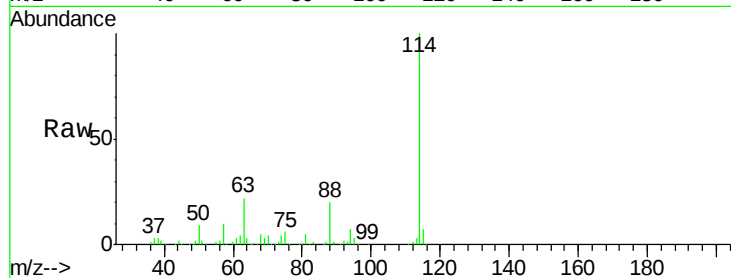
ClientSampleId :

PL-01-011819-D

Tot Ion:	114	Resp:	352437
Ion Ratio	Lower	Upper	
114	100		
63	22.0	0.0	39.0
88	19.8	0.0	37.4

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#35

Dibromofluoromethane

Concen: 51.506 ug/l

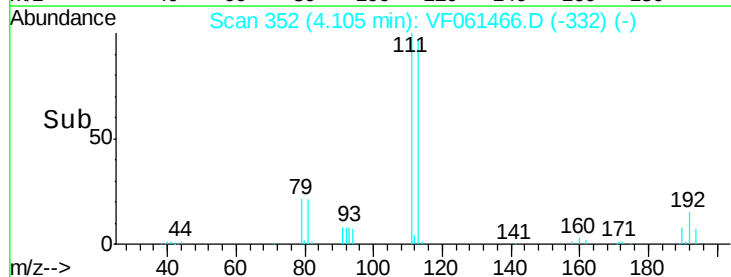
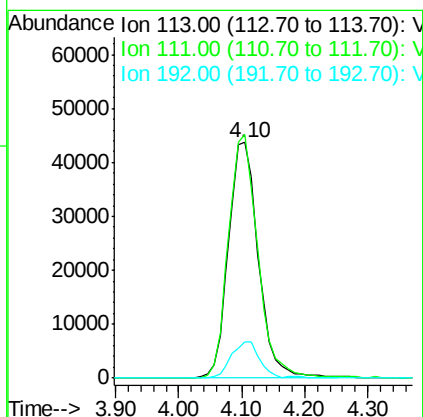
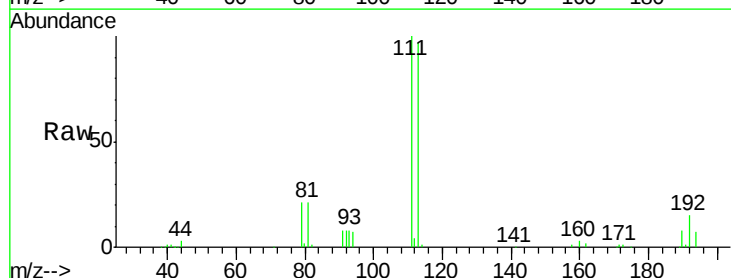
RT: 4.10 min Scan# 352

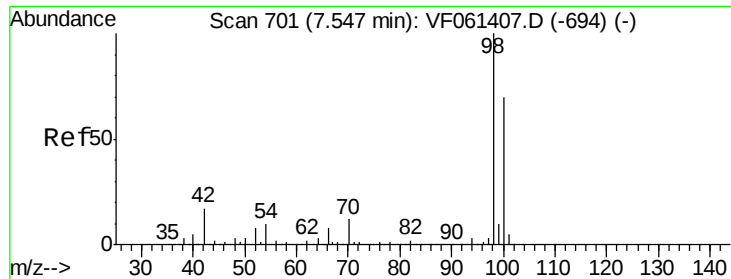
Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Tgt Ion:	113	Resp:	143240
Ion Ratio	Lower	Upper	
113	100		
111	103.4	79.4	119.0
192	15.6	12.4	18.6





#50

Toluene-d8

Concen: 43.799 ug/l

RT: 7.55 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-011819-D

Tot Ion: 98 Resp: 333726

Ion Ratio Lower Upper

98 100

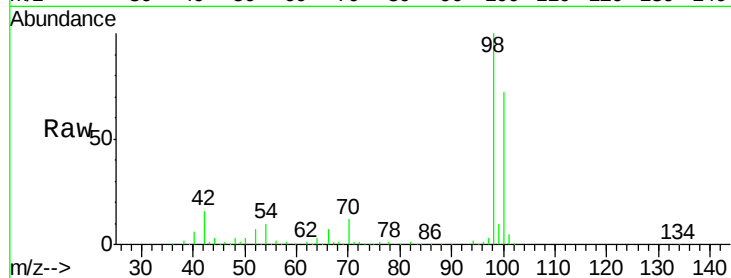
100 71.8 55.6 83.4

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Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.55

150000

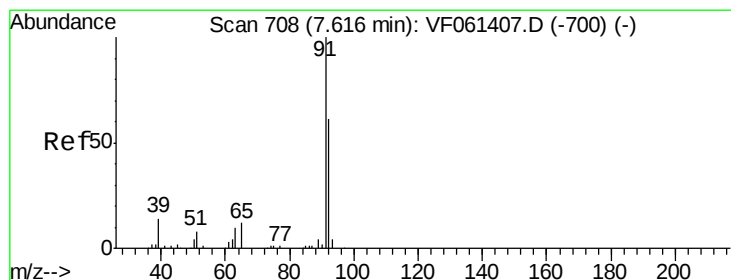
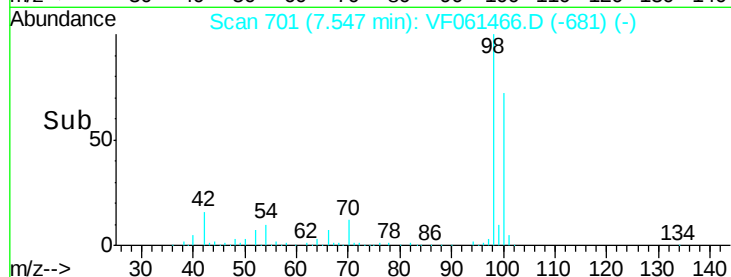
100000

50000

0

7.40 7.50 7.60 7.70

Time-->



#52

Toluene

Concen: 4.800 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061466.D

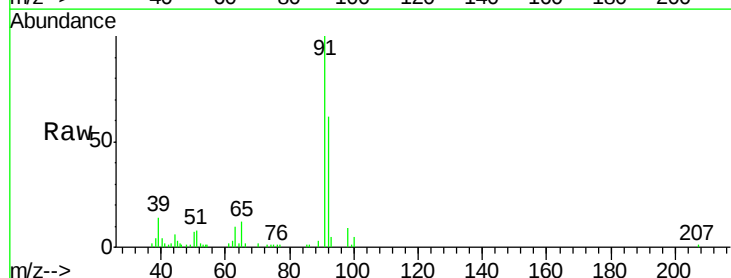
Acq: 18 Jan 2019 18:26

Tgt Ion: 92 Resp: 28744

Ion Ratio Lower Upper

92 100

91 162.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

20000

15000

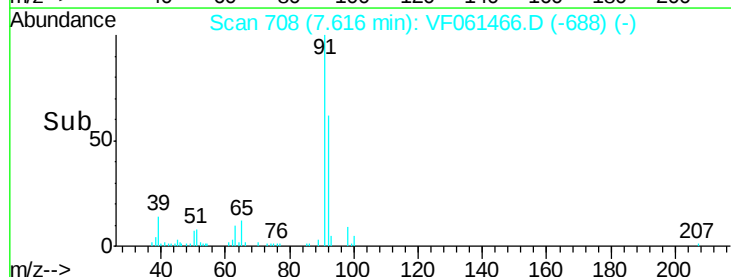
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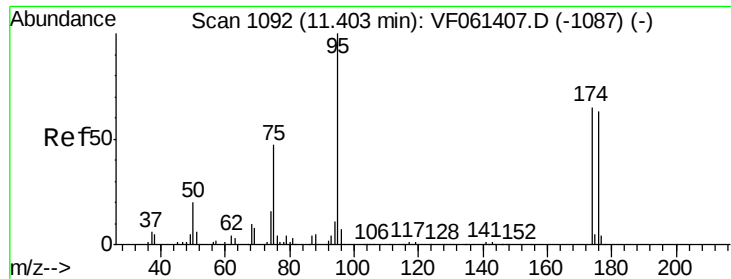
5000

0

7.50 7.60 7.70

Time-->





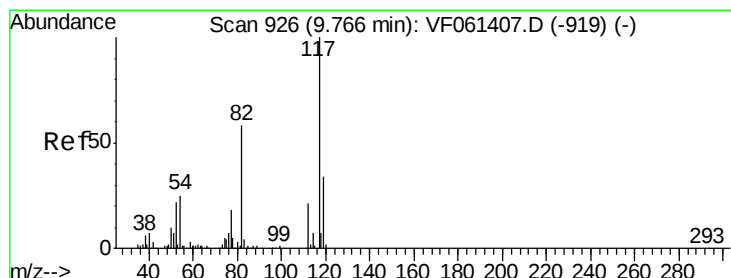
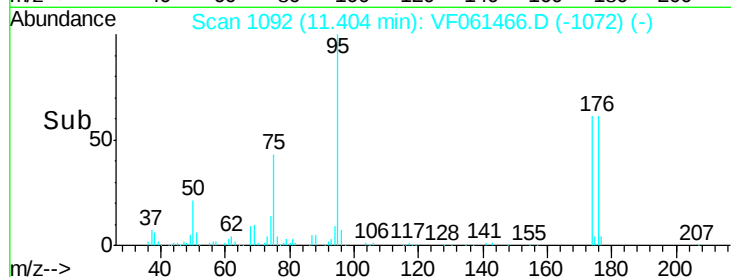
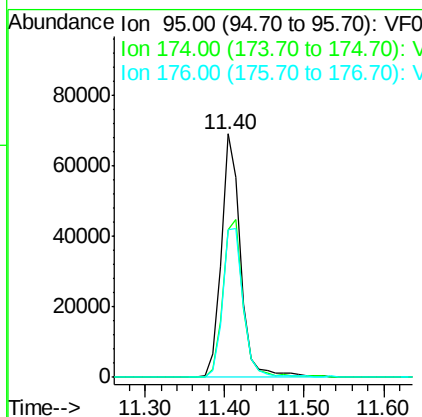
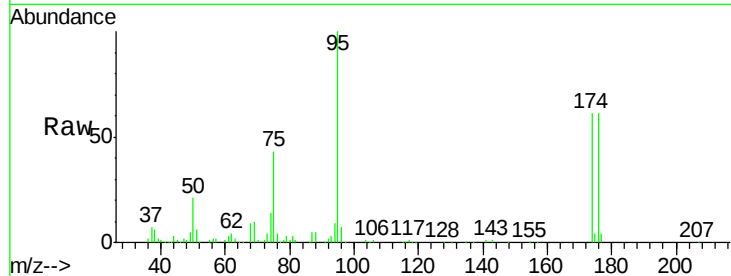
#62
4-Bromofluorobenzene
Concen: 33.399 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Resp	Lower	Upper
95	100	118902		
174	60.8	0.0	130.4	
176	60.6	0.0	126.2	

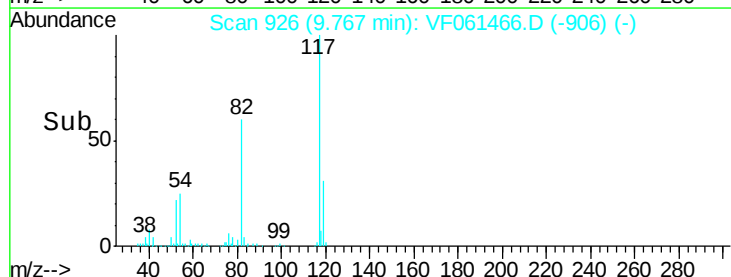
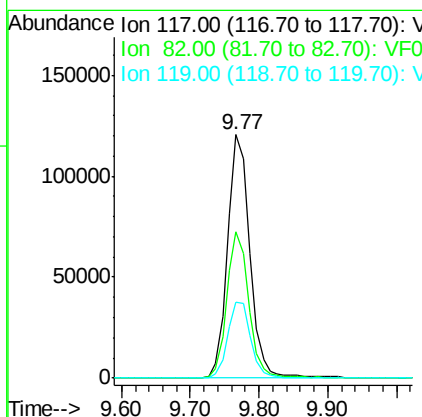
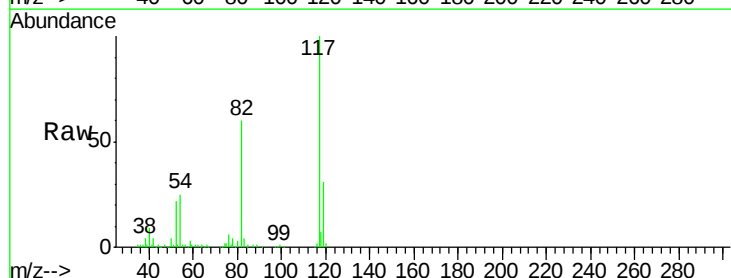
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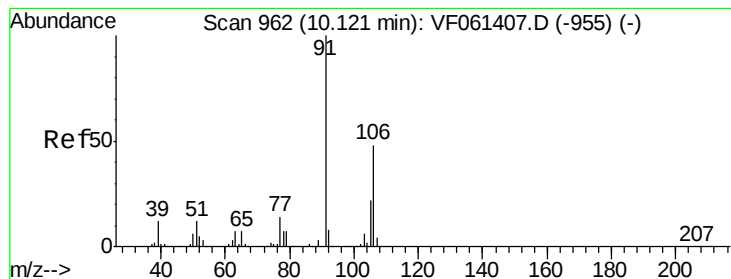
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	270968		
82	60.4	46.4	69.6	
119	31.1	27.2	40.8	





#68

m/p-Xylenes

Concen: 3.279 ug/l

RT: 10.12 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-011819-D

Tot Ion:106 Resp: 11874

Ion Ratio Lower Upper

106 100

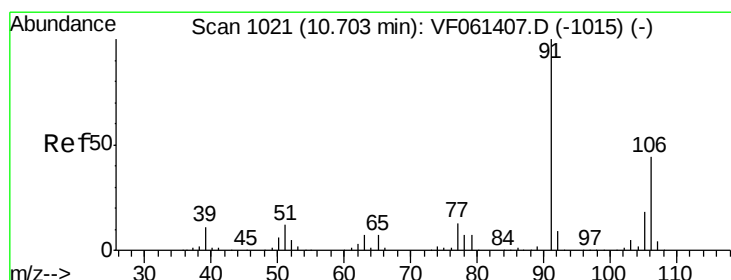
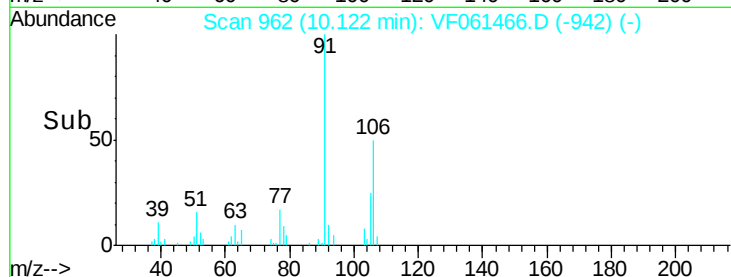
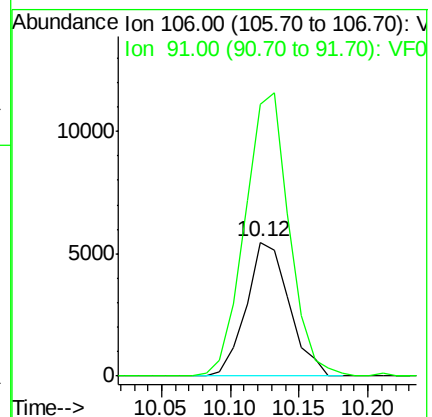
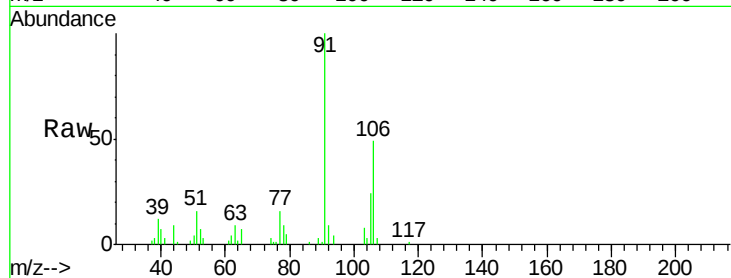
91 203.2 166.2 249.4

Manual Integrations

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#69

o-Xylene

Concen: 1.283 ug/l

RT: 10.70 min Scan# 1021

Delta R.T. 0.00 min

Lab File: VF061466.D

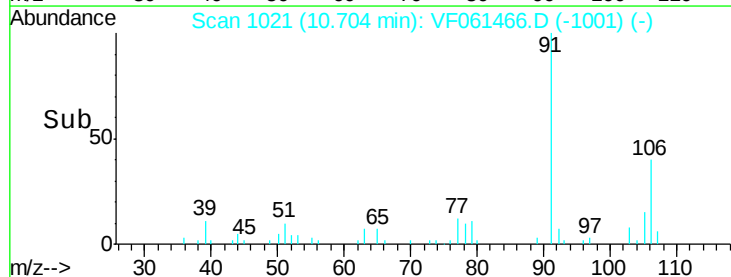
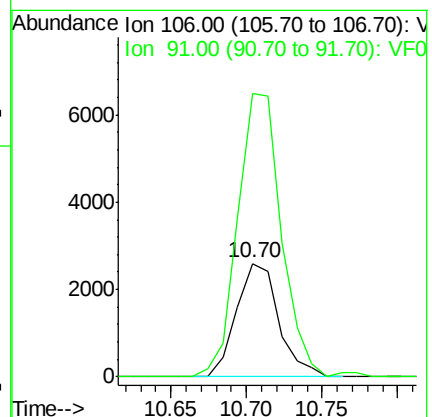
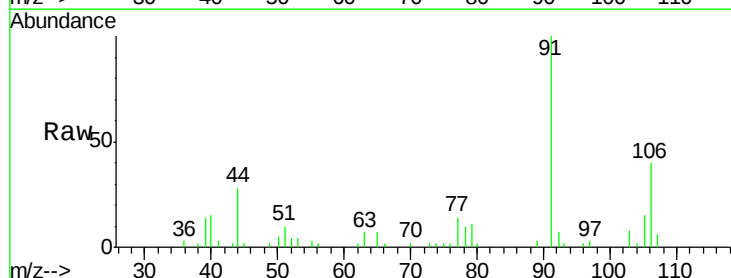
Acq: 18 Jan 2019 18:26

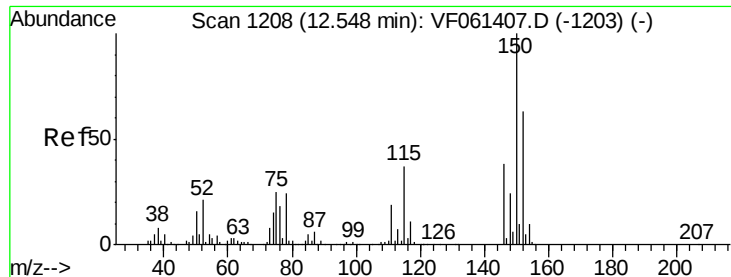
Tgt Ion:106 Resp: 5036

Ion Ratio Lower Upper

106 100

91 250.2 113.3 339.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061466.D

Acq: 18 Jan 2019 18:26

Instrument :

MSVOA_F

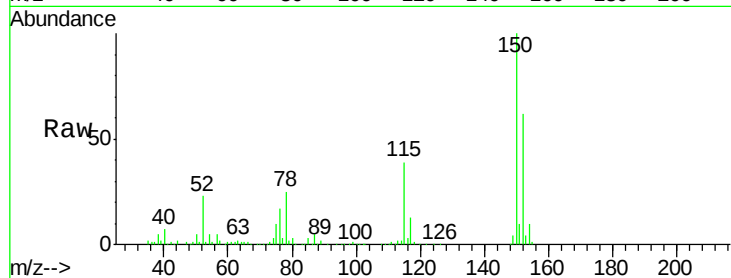
ClientSampleId :

PL-01-011819-D

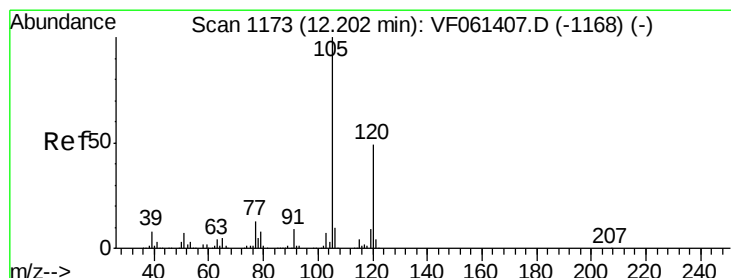
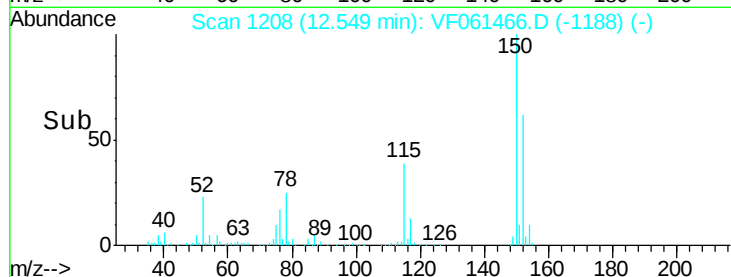
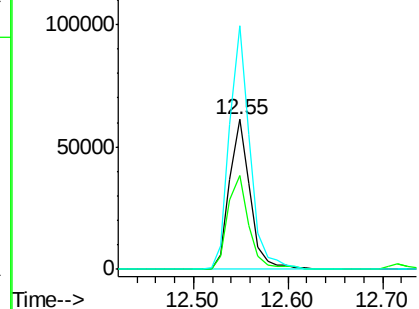
Tot Ion:	152	Resp:	92555
Ion Ratio	Lower	Upper	
152	100		
115	62.8	30.0	90.0
150	162.5	0.0	321.4

Manual Integrations
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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



#84

1,2,4-Trimethylbenzene

Concen: 2.297 ug/l

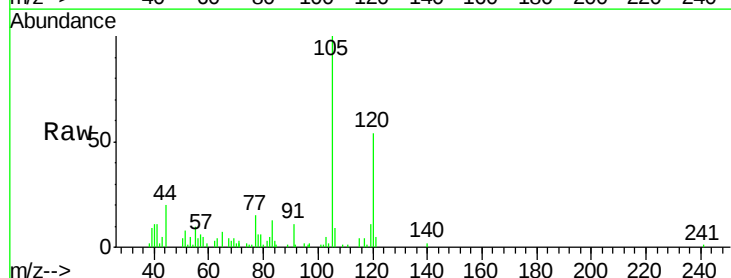
RT: 12.20 min Scan# 1173

Delta R.T. 0.00 min

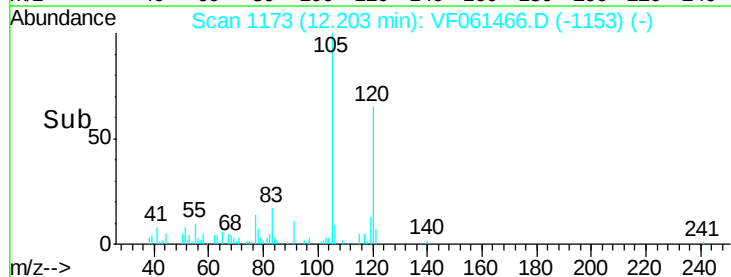
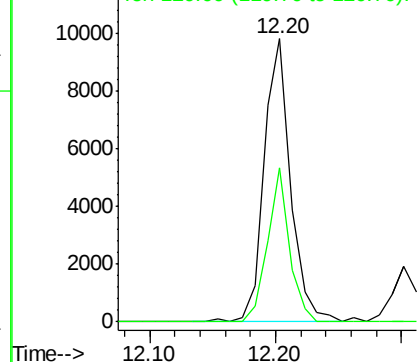
Lab File: VF061466.D

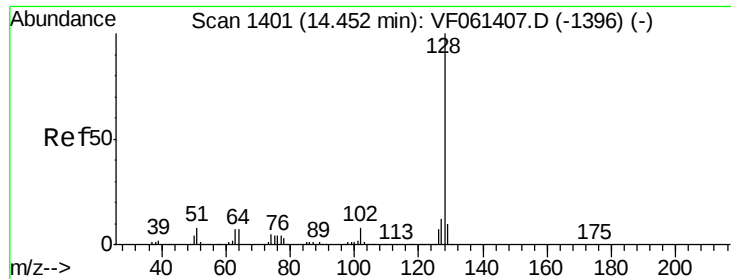
Acq: 18 Jan 2019 18:26

Tgt Ion:	105	Resp:	14375
Ion Ratio	Lower	Upper	
105	100		
120	54.3	24.9	74.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





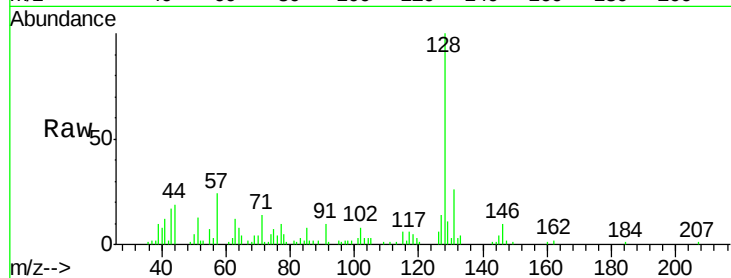
#95
Naphthalene
Concen: 5.646 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061466.D
Acq: 18 Jan 2019 18:26

Instrument :
MSVOA_F
ClientSampleId :
PL-01-011819-D

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	14.0	9.5	14.3
129	11.4	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
1/21/2019 11:12:00 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

