

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059213.D
 Acq On : 20 Jun 2018 4:26
 Operator : VA/AP
 Sample : J3249-07
 Misc : 6.91g/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-061818-D

Manual Integrations
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 6/20/2018 11:21:36 AM

Quant Time: Jun 20 07:11:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	136703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	249742	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	166033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	60081	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	141748	85.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.00%	
35) Dibromofluoromethane	4.28	113	118796	67.79	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	135.58%	
50) Toluene-d8	7.71	98	203161	39.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.92%	
62) 4-Bromofluorobenzene	11.51	95	75258	28.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	57.00%	

Target Compounds

						Qvalue
16) Acetone	2.33	43	79096	199.82	ug/l	# 88
20) Methylene Chloride	2.27	84	16943m	17.88	ug/l	
51) 4-Methyl-2-Pentanone	8.41	43	11553	8.41	ug/l	97
67) Ethyl Benzene	10.04	91	11832	2.07	ug/l	99
68) m/p-Xylenes	10.26	106	17072	7.98	ug/l	75
69) o-Xylene	10.82	106	20957	9.07	ug/l	99
73) Isopropylbenzene	11.22	105	15132	3.64	ug/l	93
78) n-propylbenzene	11.69	91	61838	12.56	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	78960	22.93	ug/l	91
84) 1,2,4-Trimethylbenzene	12.29	105	359566	100.80	ug/l	96
85) sec-Butylbenzene	12.39	105	56028	12.06	ug/l	100
86) p-Isopropyltoluene	12.54	119	26490m	6.94	ug/l	
89) n-Butylbenzene	12.91	91	95068m	22.08	ug/l	

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

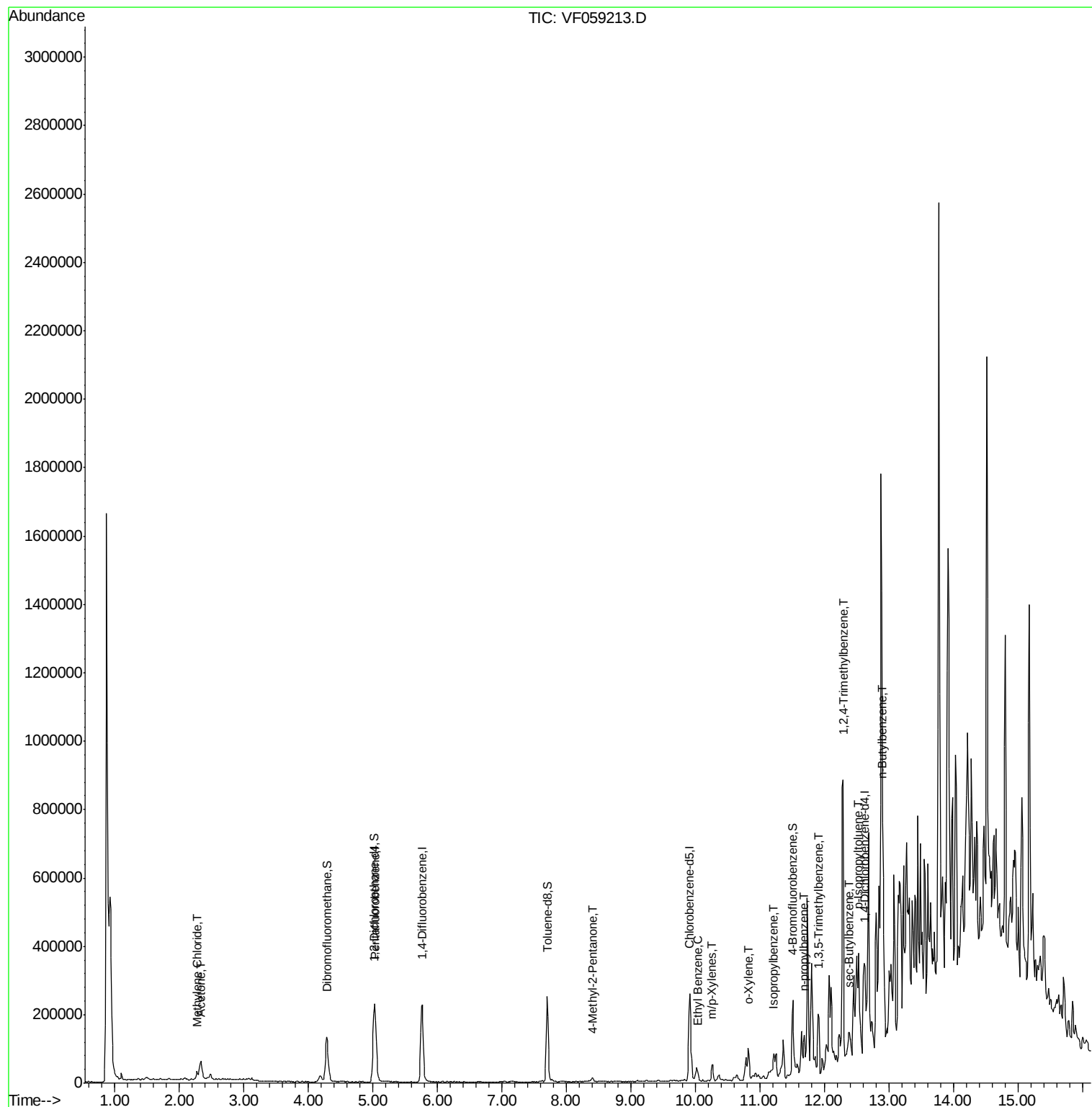
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059213.D
Acq On : 20 Jun 2018 4:26
Operator : VA/AP
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ALS Vial : 28 Sample Multiplier: 1

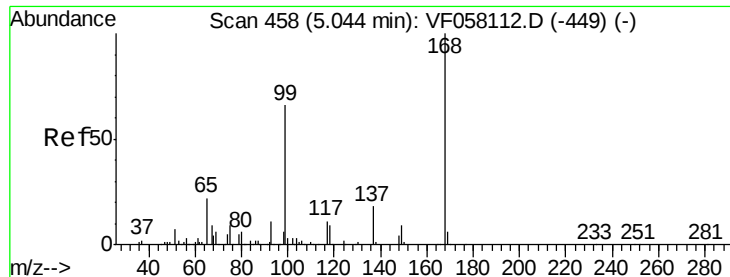
Instrument :
MSVOA_F
ClientSampleId :
PL-01-061818-D

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Quant Time: Jun 20 07:11:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-061818-D

Tot Ion:168 Resp: 136703

Ion Ratio Lower Upper

168 100

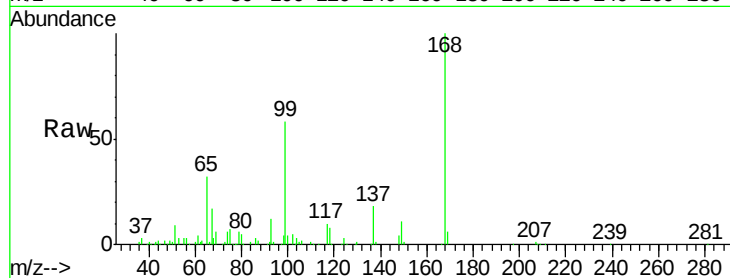
99 58.1 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

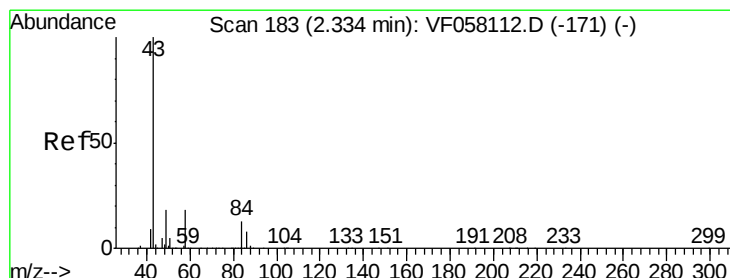
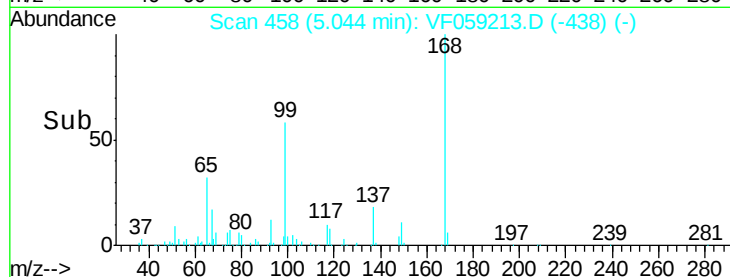
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 199.82 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059213.D

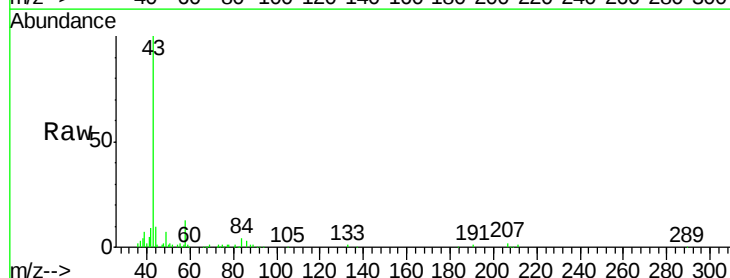
Acq: 20 Jun 2018 4:26

Tgt Ion: 43 Resp: 79096

Ion Ratio Lower Upper

43 100

58 12.6 14.4 21.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

30000

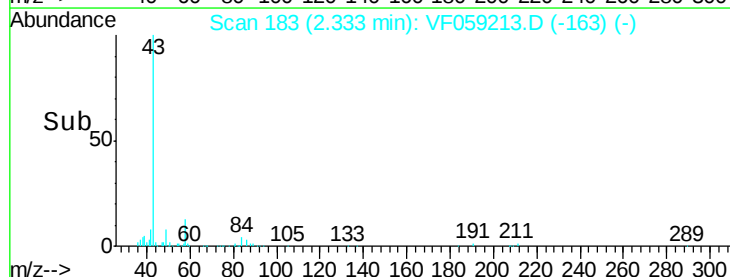
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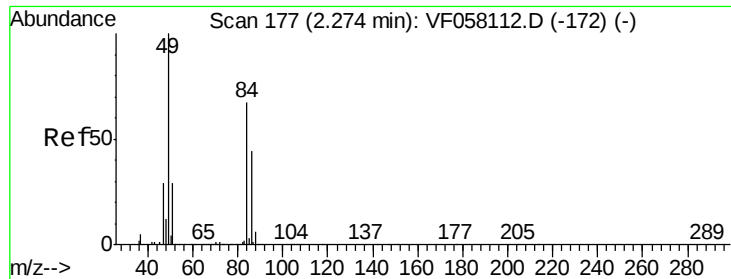
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0

2.20 2.30 2.40

Time-->





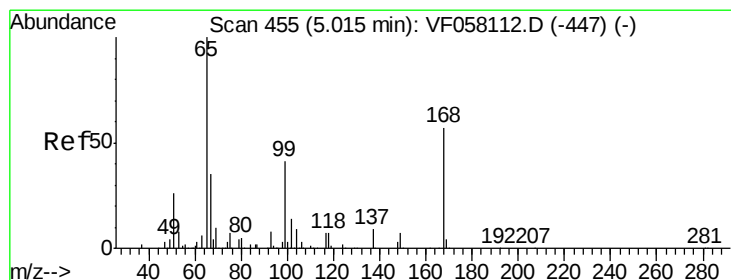
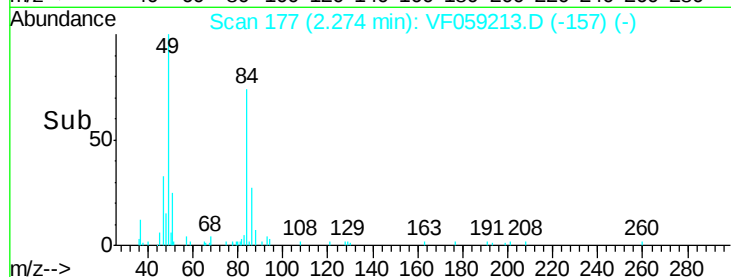
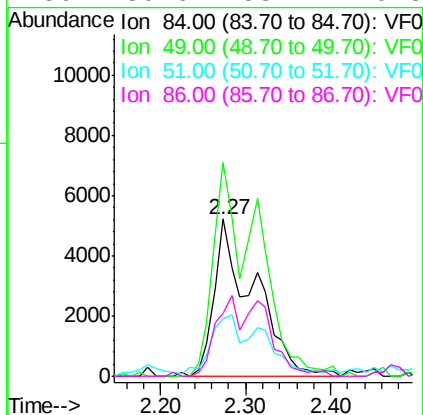
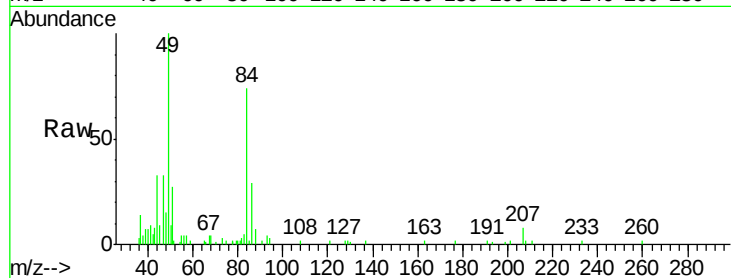
#20
Methvlene Chloride
Concen: 17.88 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF059213.D
Acq: 20 Jun 2018 4:26

Instrument :
MSVOA_F
ClientSampleId :
PL-01-061818-D

Tot Ion	Ratio	Lower	Upper
84	100		
49	135.7	121.0	181.4
51	36.7	35.8	53.6
86	39.6	53.2	79.8

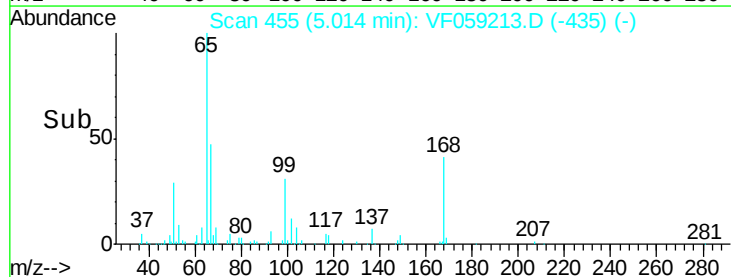
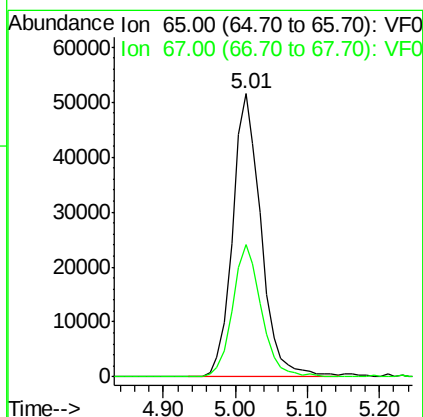
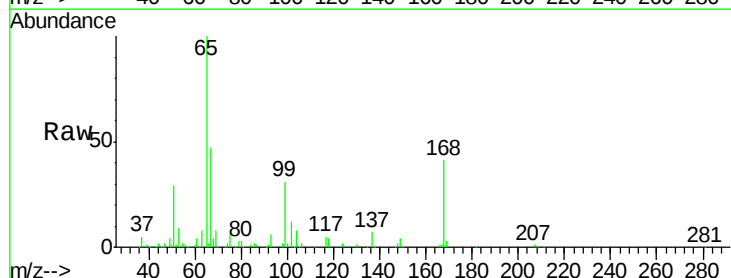
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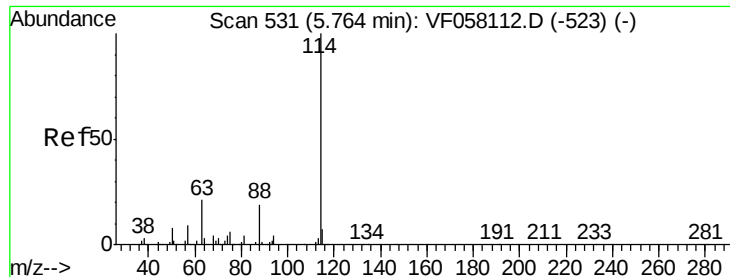
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#33
1,2-Dichloroethane-d4
Concen: 85.50 ug/l
RT: 5.01 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF059213.D
Acq: 20 Jun 2018 4:26

Tgt Ion	Ratio	Lower	Upper
65	100		
67	46.8	0.0	97.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

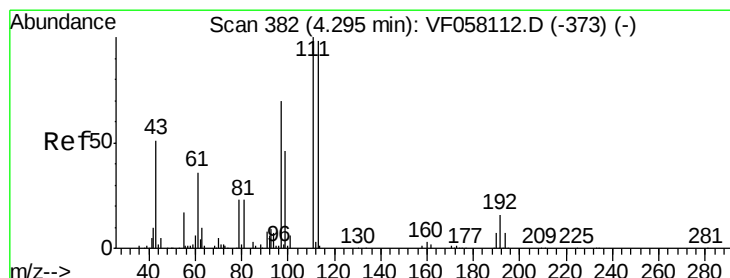
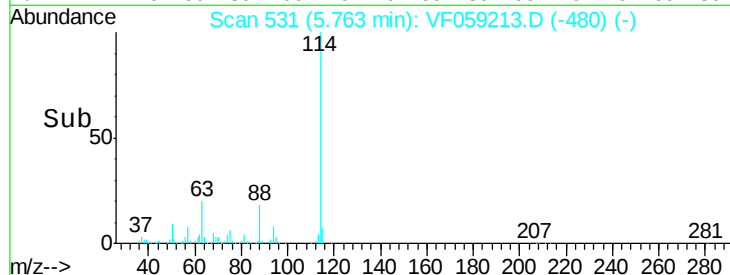
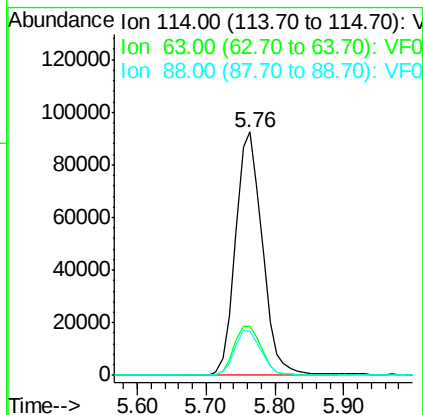
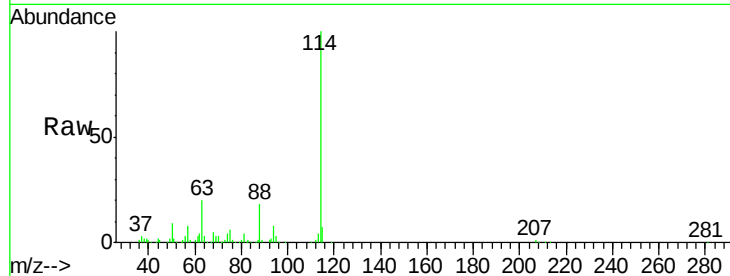
ClientSampleId :

PL-01-061818-D

Tot Ion:	114	Resp:	249742
Ion Ratio	Lower	Upper	
114	100		
63	20.2	0.0	41.6
88	17.9	0.0	38.8

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#35

Dibromofluoromethane

Concen: 67.79 ug/l

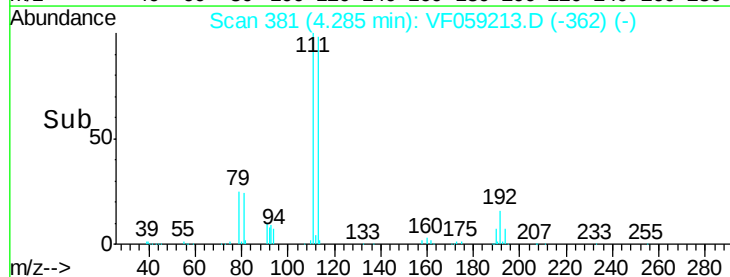
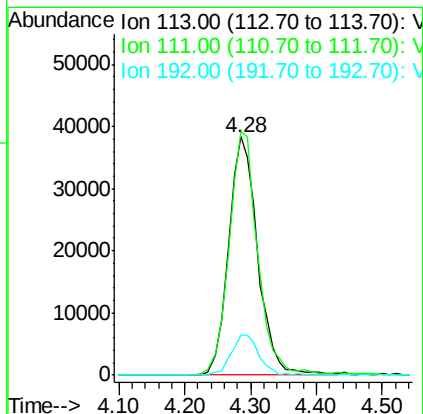
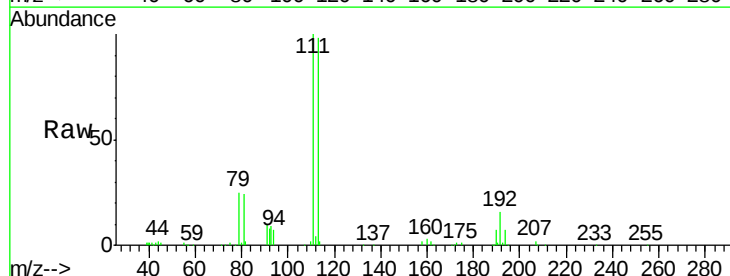
RT: 4.28 min Scan# 381

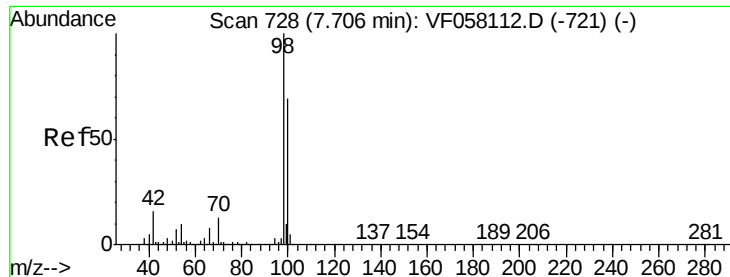
Delta R.T. -0.01 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Tgt Ion:	113	Resp:	118796
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.3	121.9
192	16.7	12.7	19.1





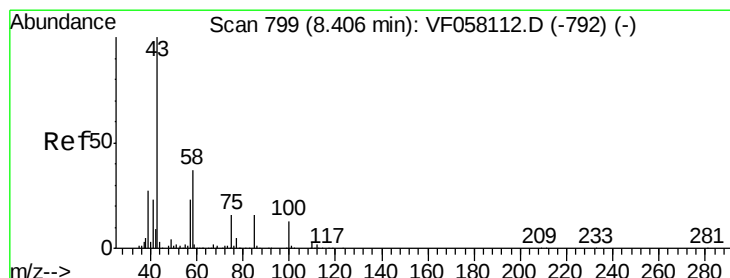
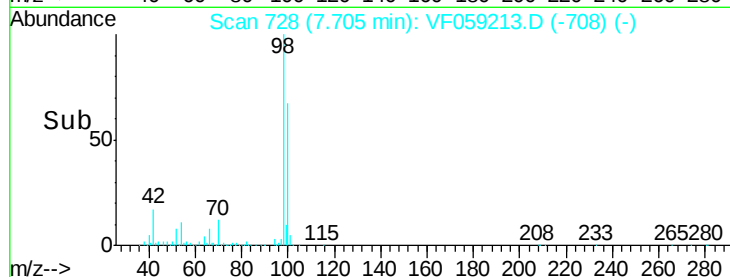
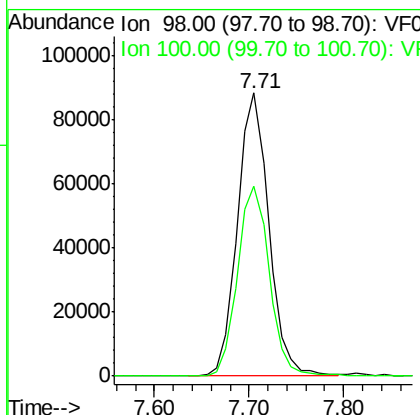
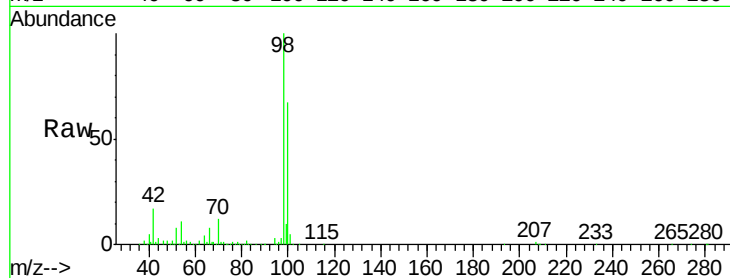
#50
Toluene-d8
Concen: 39.46 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.00 min
Lab File: VF059213.D
Acq: 20 Jun 2018 4:26

Instrument :
MSVOA_F
ClientSampleId :
PL-01-061818-D

Tot Ion	Ratio	Lower	Upper
98	100		
100	67.0	55.6	83.4

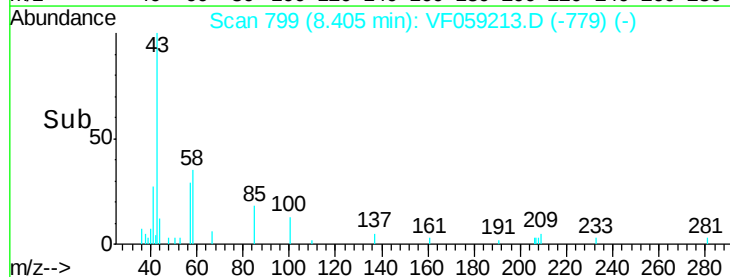
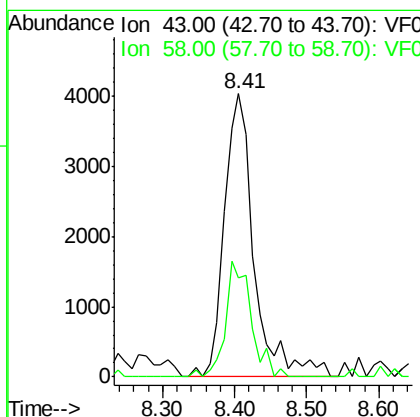
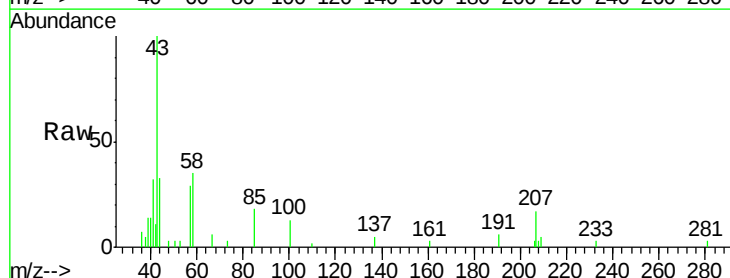
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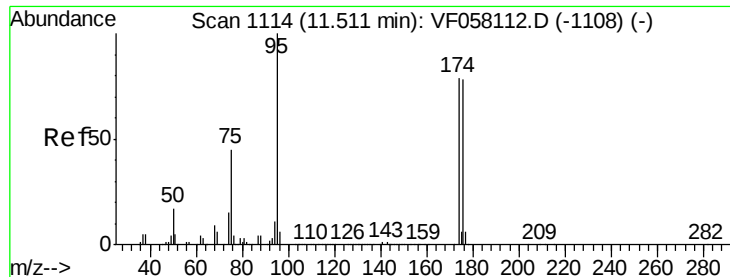
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#51
4-Methyl-2-Pentanone
Concen: 8.41 ug/l
RT: 8.41 min Scan# 799
Delta R.T. -0.00 min
Lab File: VF059213.D
Acq: 20 Jun 2018 4:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.9	29.4	44.0





#62

4-Bromofluorobenzene

Concen: 28.50 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

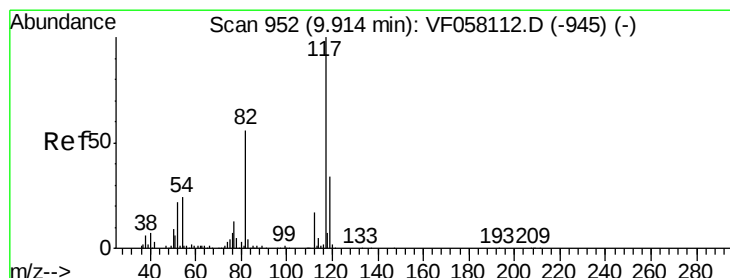
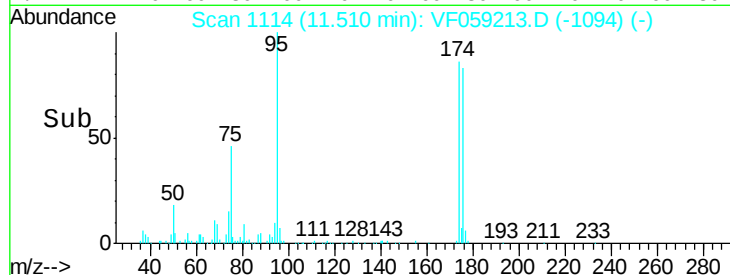
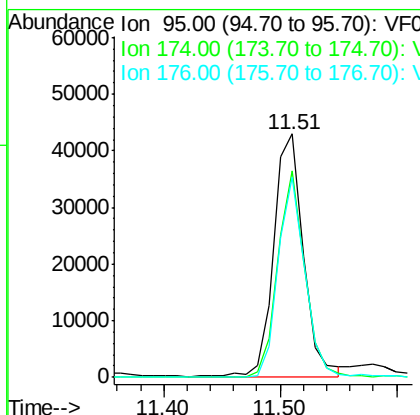
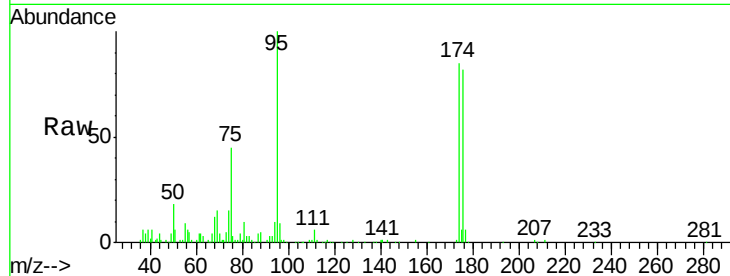
ClientSampleId :

PL-01-061818-D

Tot Ion:	95	Resp:	75258
Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	157.8
176	82.4	0.0	155.8

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

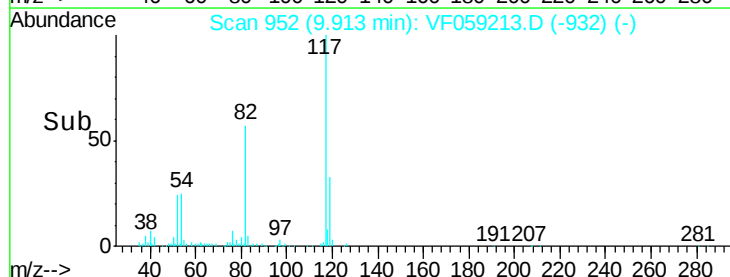
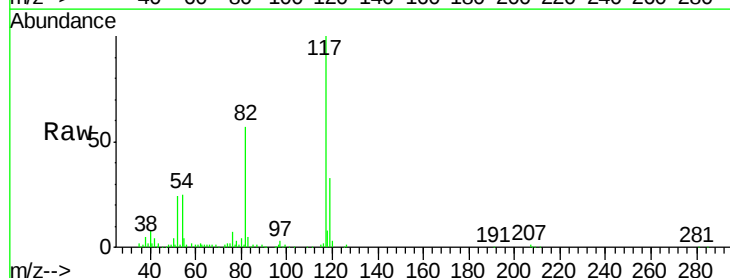
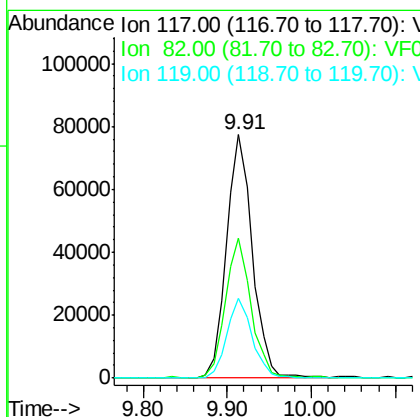
RT: 9.91 min Scan# 952

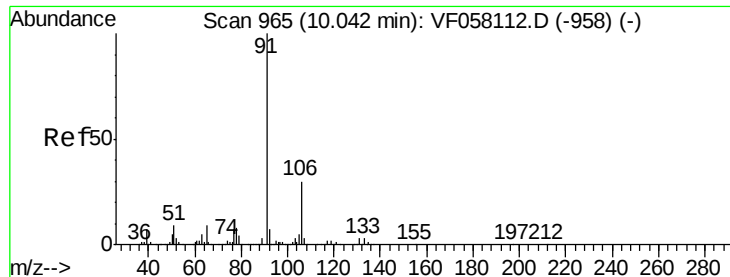
Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Tgt Ion:	117	Resp:	166033
Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.2	67.8
119	32.7	27.5	41.3





#67

Ethyl Benzene

Concen: 2.07 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-061818-D

Tot Ion: 91 Resp: 11832

Ion Ratio Lower Upper

91 100

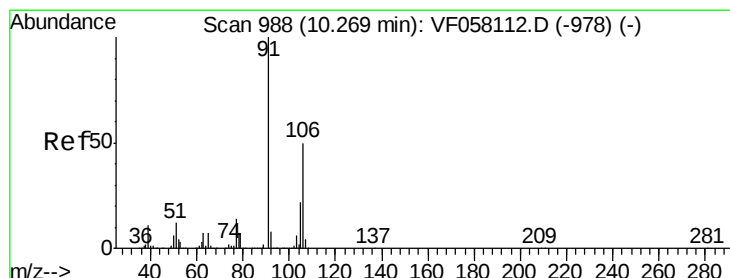
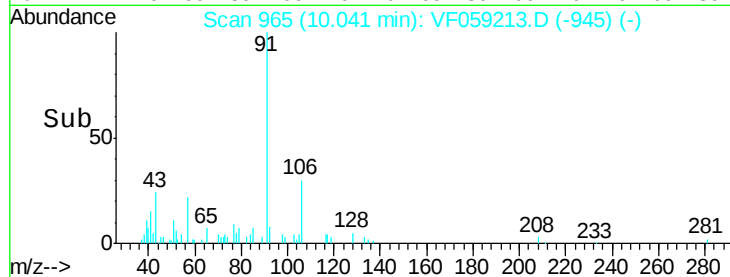
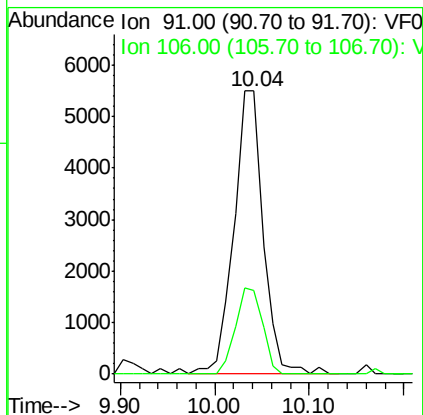
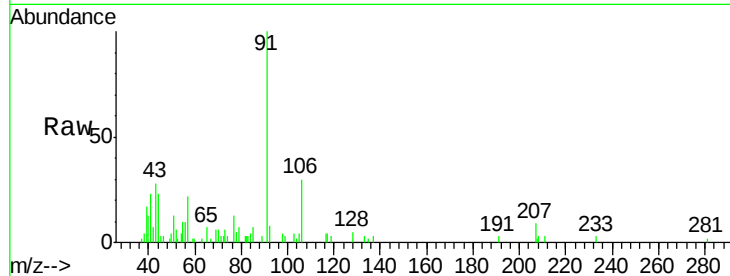
106 29.7 24.2 36.4

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#68

m/p-Xylenes

Concen: 7.98 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059213.D

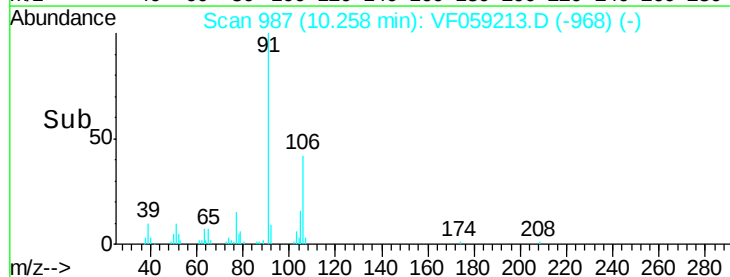
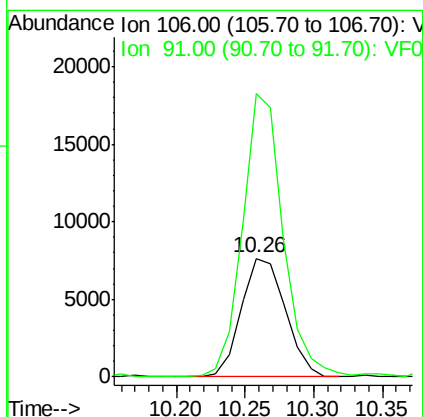
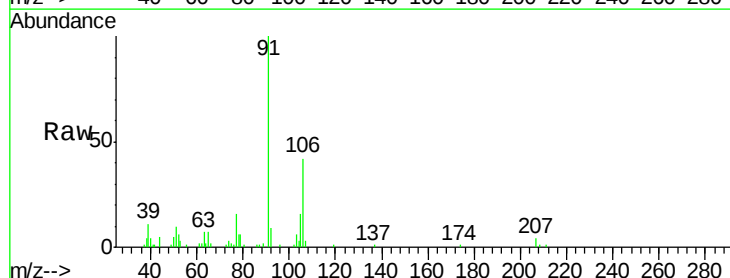
Acq: 20 Jun 2018 4:26

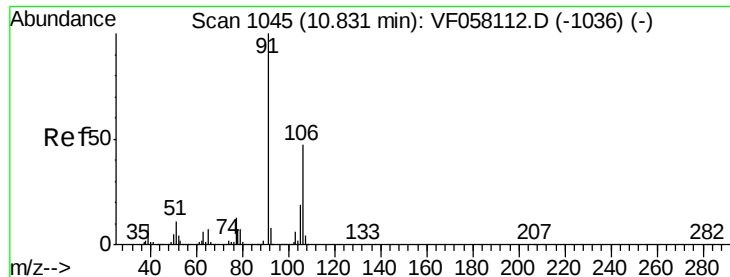
Tgt Ion: 106 Resp: 17072

Ion Ratio Lower Upper

106 100

91 239.0 160.7 241.1





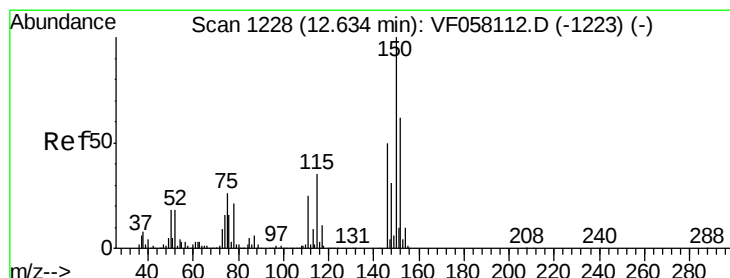
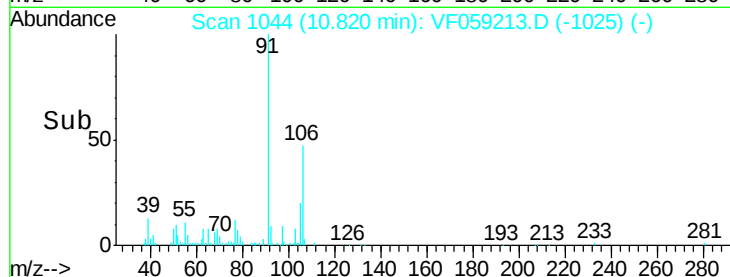
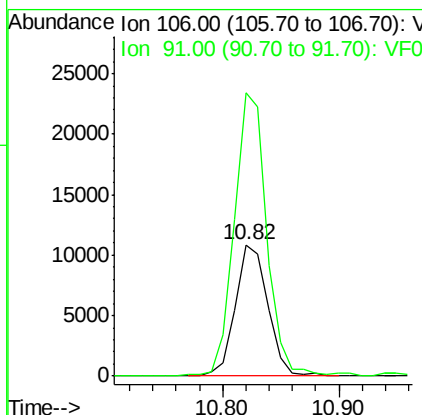
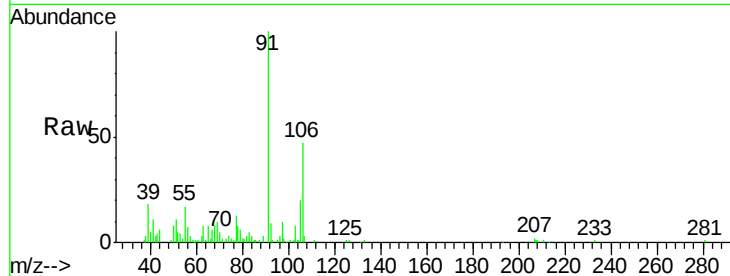
#69
o-Xylene
Concen: 9.07 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059213.D
Acq: 20 Jun 2018 4:26

Instrument :
MSVOA_F
ClientSampleId :
PL-01-061818-D

Tot Ion:106 Resp: 20957
Ion Ratio Lower Upper
106 100
91 215.0 107.0 321.0

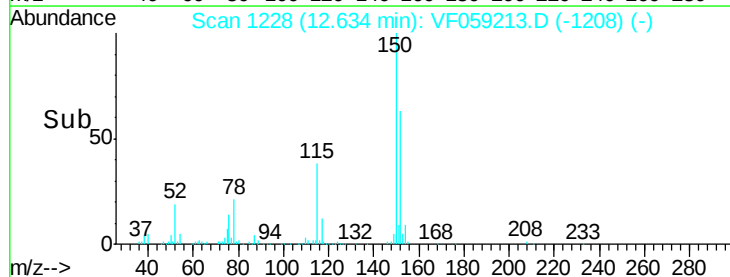
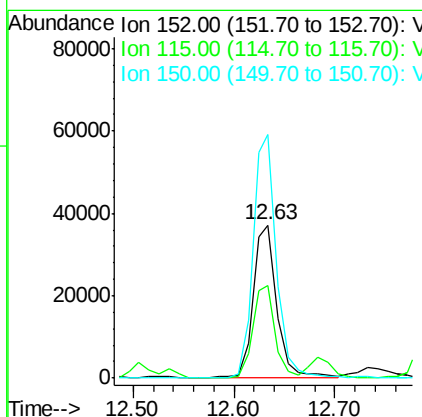
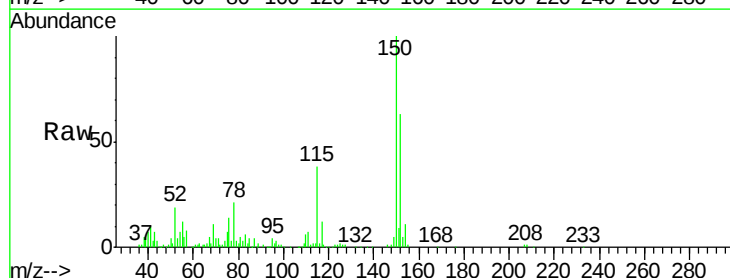
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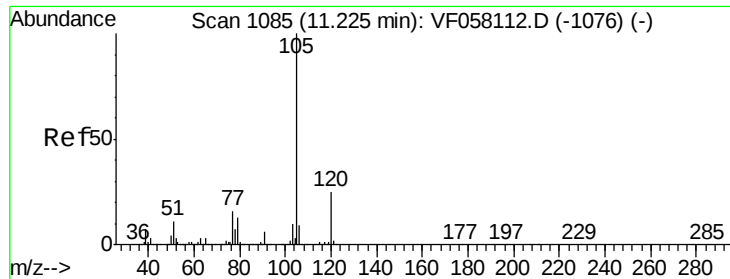
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF059213.D
Acq: 20 Jun 2018 4:26

Tgt Ion:152 Resp: 60081
Ion Ratio Lower Upper
152 100
115 60.6 28.5 85.5
150 159.2 0.0 323.8





#73

Isopropylbenzene

Concen: 3.64 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-061818-D

Tot Ion: 105 Resp: 15132

Ion Ratio Lower Upper

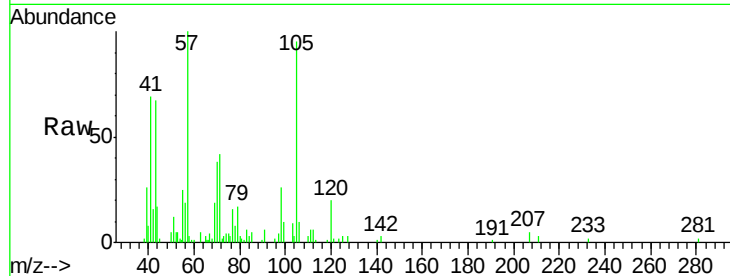
105 100

120 21.6 12.7 38.1

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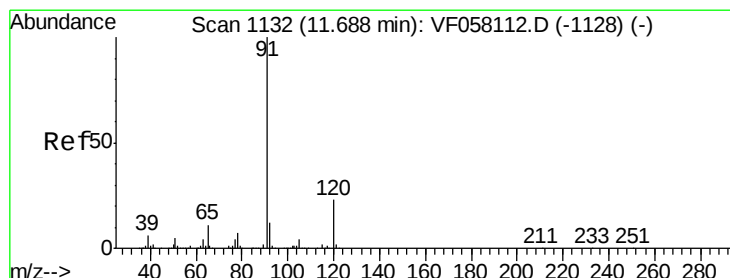
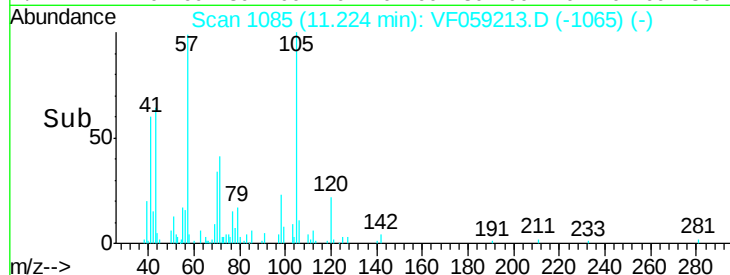
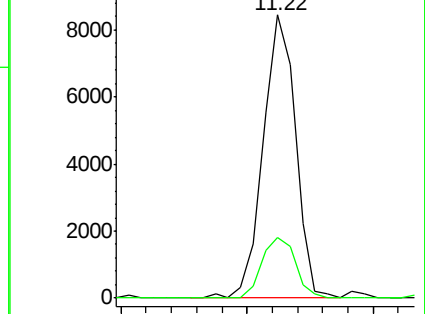
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 12.56 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059213.D

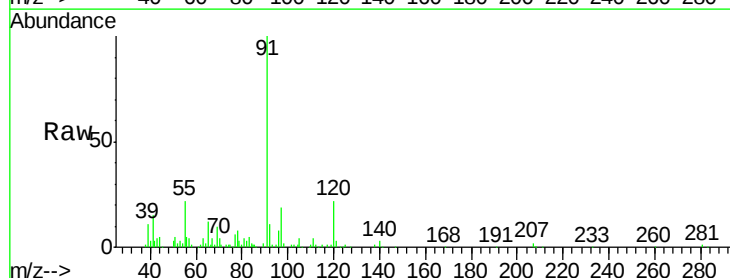
Acq: 20 Jun 2018 4:26

Tgt Ion: 91 Resp: 61838

Ion Ratio Lower Upper

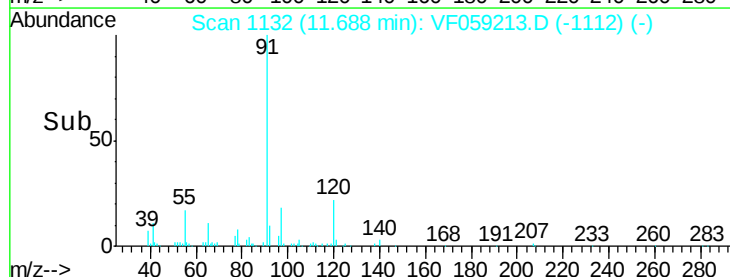
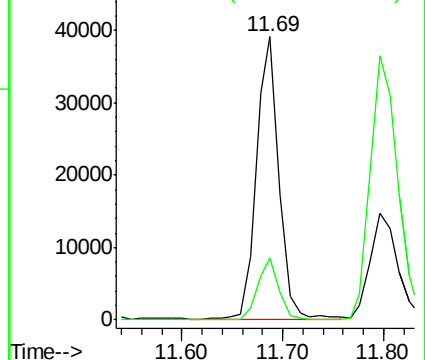
91 100

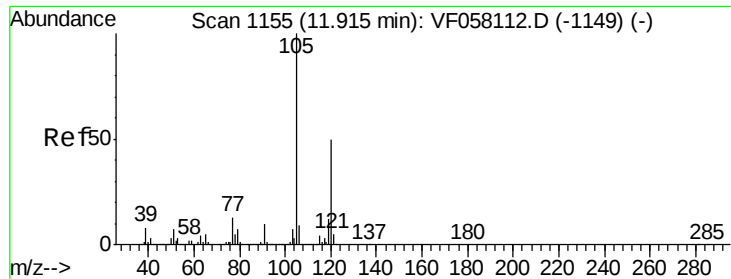
120 21.7 11.5 34.5



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: 22.93 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-061818-D

Tot Ion:105 Resp: 78960

Ion Ratio Lower Upper

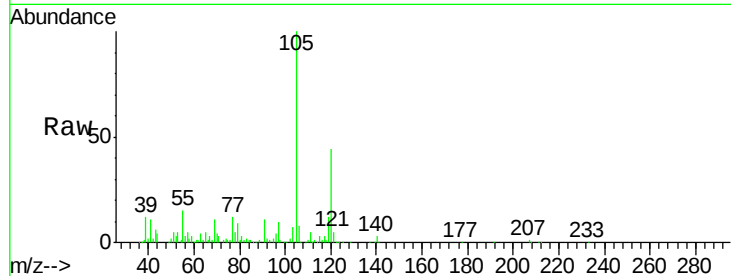
105 100

120 43.5 24.9 74.6

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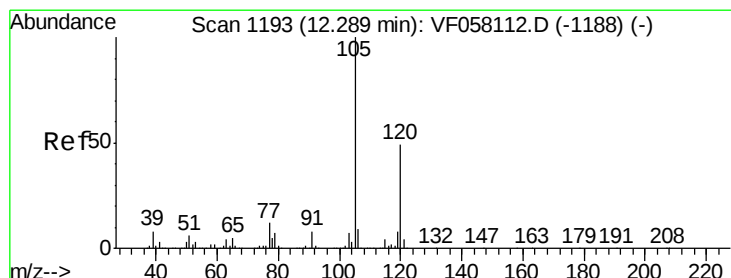
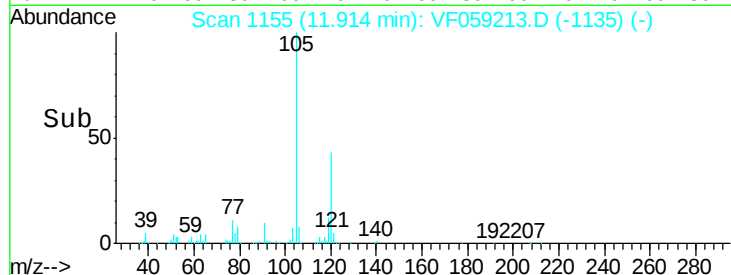
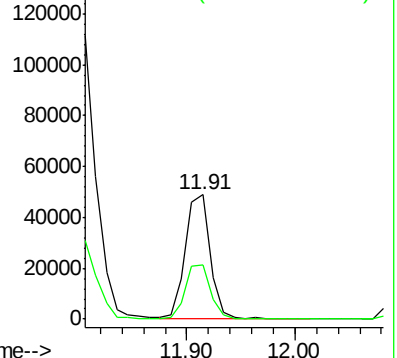
apatel

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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: 100.80 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VF059213.D

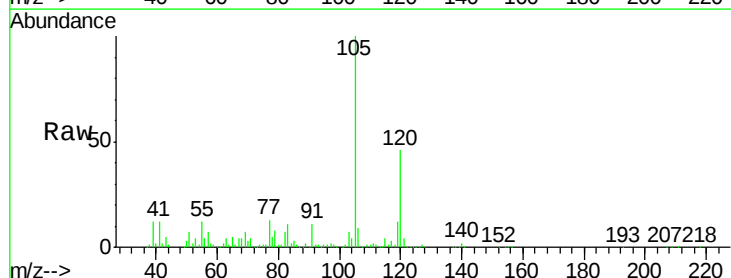
Acq: 20 Jun 2018 4:26

Tgt Ion:105 Resp: 359566

Ion Ratio Lower Upper

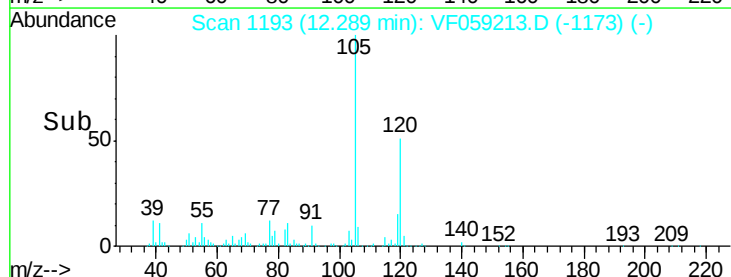
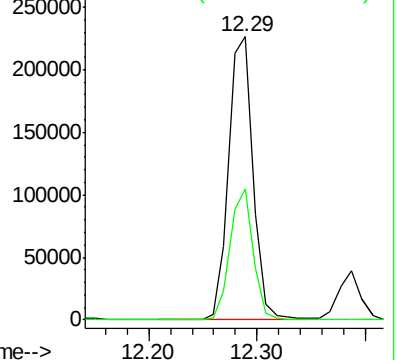
105 100

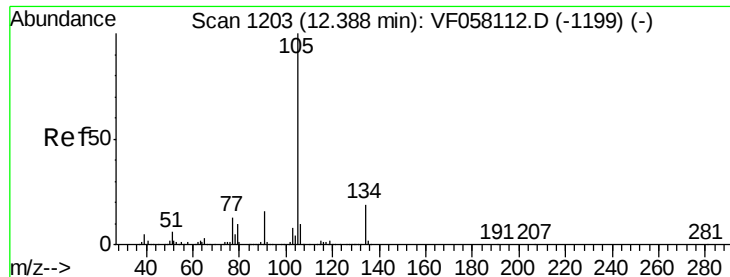
120 46.3 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





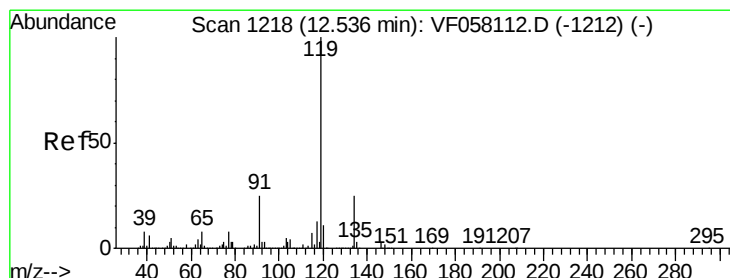
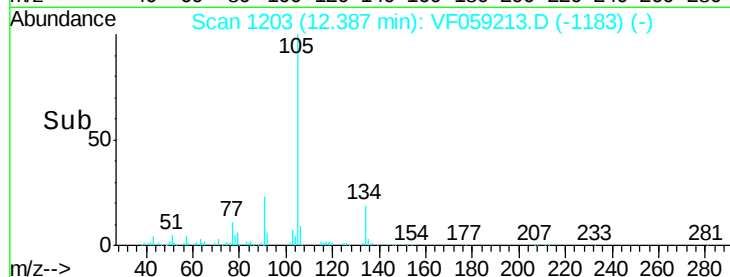
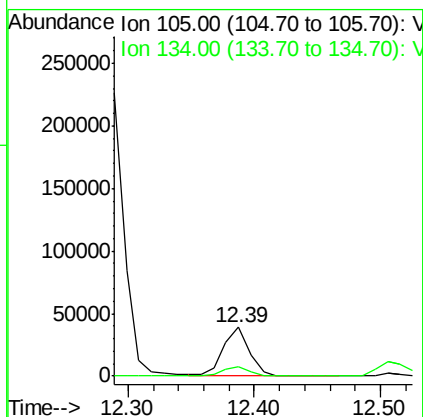
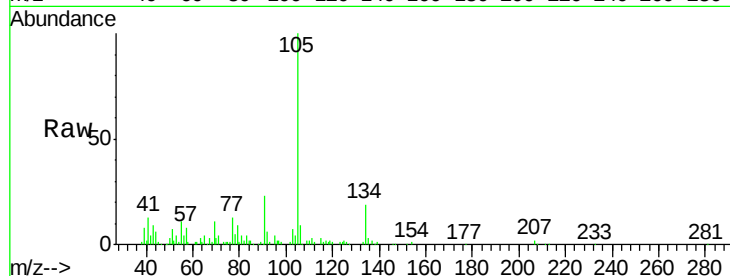
#85
 sec-Butylbenzene
 Concen: 12.06 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059213.D
 Acq: 20 Jun 2018 4:26

Instrument :
 MSVOA_F
 ClientSampleID :
 PL-01-061818-D

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6

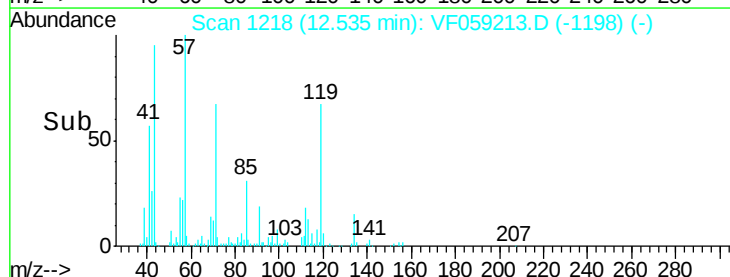
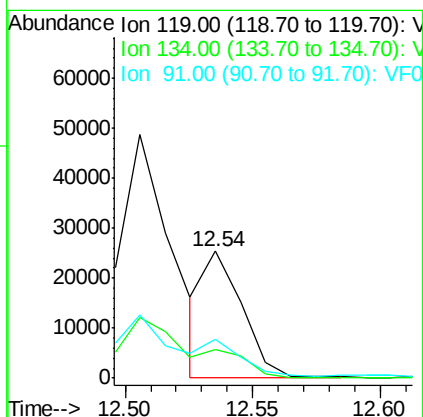
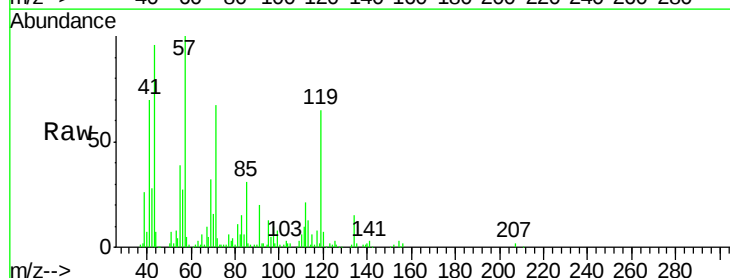
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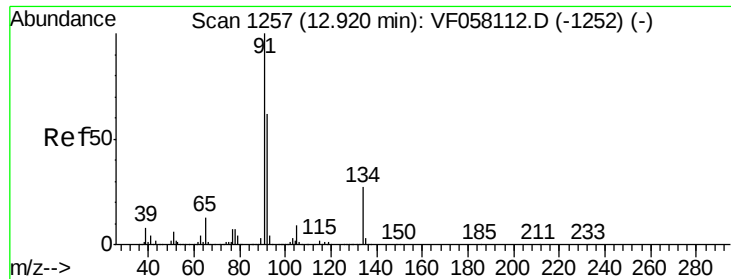
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#86
 p-Isopropyltoluene
 Concen: 6.94 ug/l m
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF059213.D
 Acq: 20 Jun 2018 4:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.9	12.7	38.0
91	30.3	12.6	37.6





#89

n-Butylbenzene

Concen: 22.08 ug/l m

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059213.D

Acq: 20 Jun 2018 4:26

Instrument :

MSVOA_F

ClientSampleId :

PL-01-061818-D

Tot Ion:	91	Resp:	95068
Ion Ratio	Lower	Upper	
91	100		
92	42.9	31.1	93.5
134	61.3	13.6	40.8#

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