

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060402.D
 Acq On : 2 Oct 2018 15:13
 Operator : VA/AP
 Sample : J4777-35RE
 Misc : 6.4/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-092718-BRE

Manual Integrations
 APPROVED

apatel
 10/3/2018 1:02:10 PM

Quant Time: Oct 02 16:54:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	220939	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.75	114	358747	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	153895	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	85596	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	185733	53.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.44%	
35) Dibromofluoromethane	4.28	113	186573	55.36	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.72%	
50) Toluene-d8	7.70	98	57883	6.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	13.94%	
62) 4-Bromofluorobenzene	11.50	95	111066	29.31	ug/l	0.02
Spiked Amount 50.000			Recovery	=	58.62%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	5.61	83	43357	9.999	ug/l	98
67) Ethyl Benzene	10.02	91	9501	1.581	ug/l	97
68) m/p-Xylenes	10.25	106	10556	5.109	ug/l	88
69) o-Xylene	10.81	106	5088	2.259	ug/l	65
78) n-propylbenzene	11.68	91	12536	1.534	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	149910	26.180	ug/l	96
83) tert-Butylbenzene	12.20	119	12810	2.268	ug/l	88
84) 1,2,4-Trimethylbenzene	12.28	105	151047	26.599	ug/l	95
85) sec-Butylbenzene	12.38	105	20266	2.600	ug/l	85
86) p-Isopropyltoluene	12.53	119	29157m	4.578	ug/l	
95) Naphthalene	14.52	128	49680	13.686	ug/l #	89

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

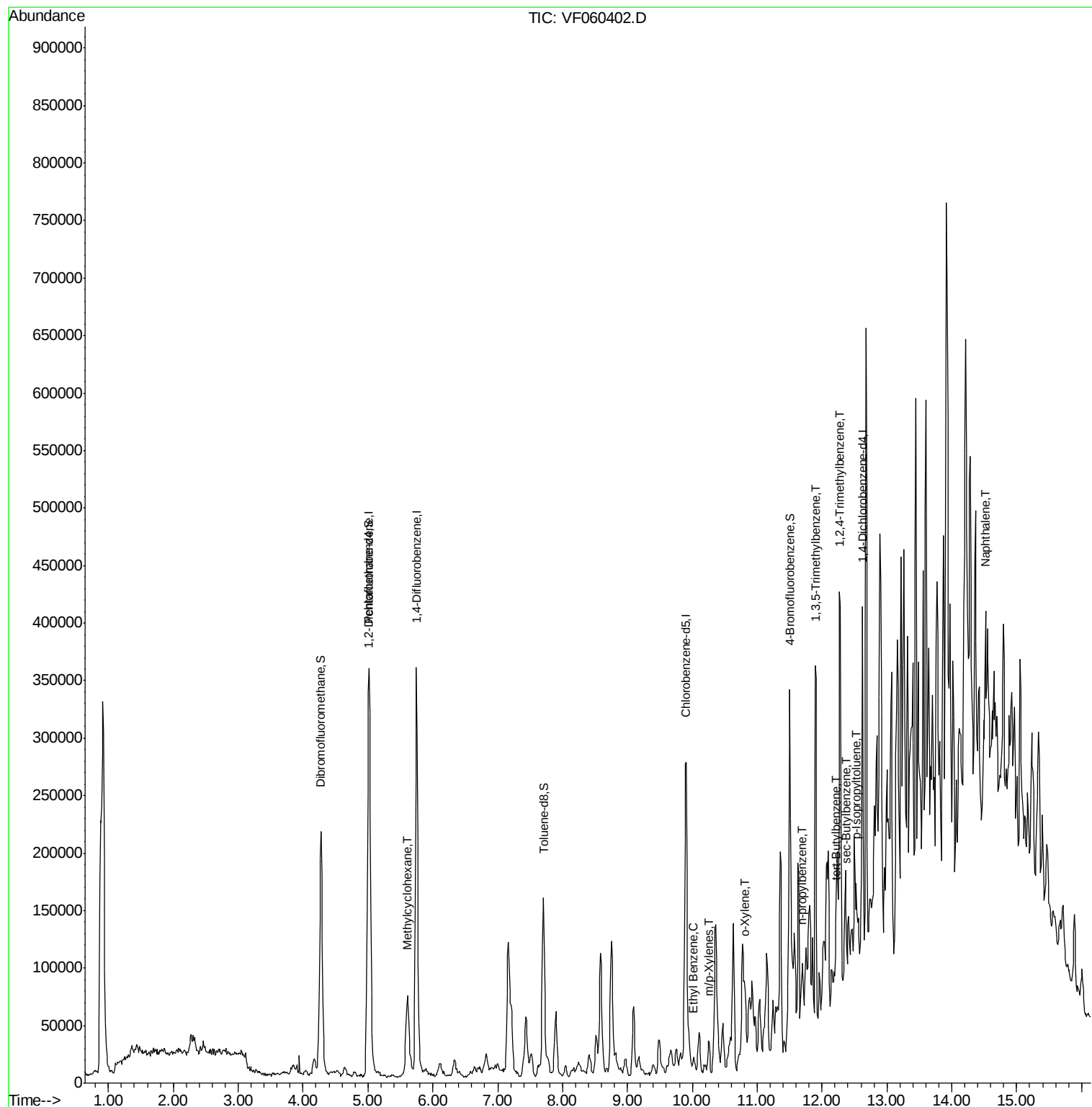
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100218\
Data File : VF060402.D
Acq On : 2 Oct 2018 15:13
Operator : VA/AP
Sample : J4777-35RE
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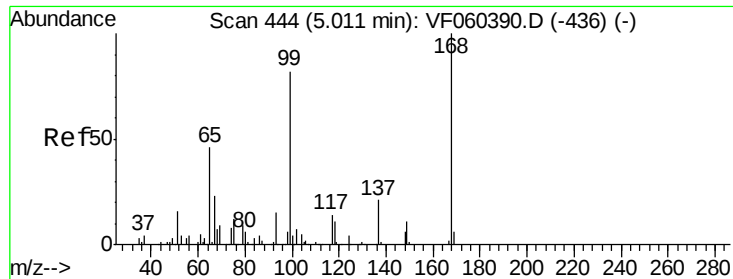
Instrument :
MSVOA_F
ClientSampleId :
PL-01-092718-BRE

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Quant Time: Oct 02 16:54:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. 0.02 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-BRE

Tot Ion:168 Resp: 220939

Ion Ratio Lower Upper

168 100

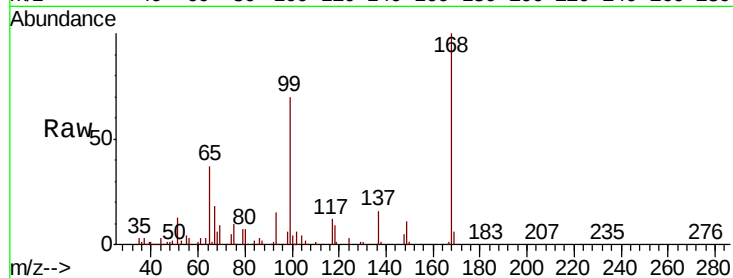
99 69.6 65.3 97.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

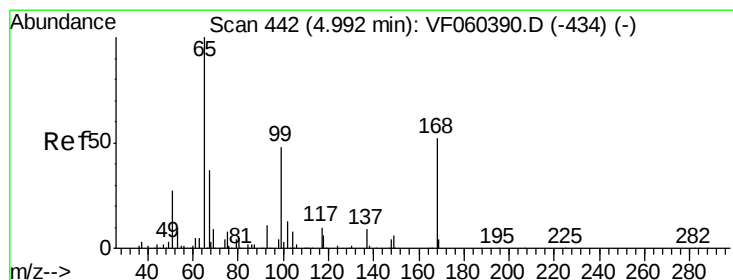
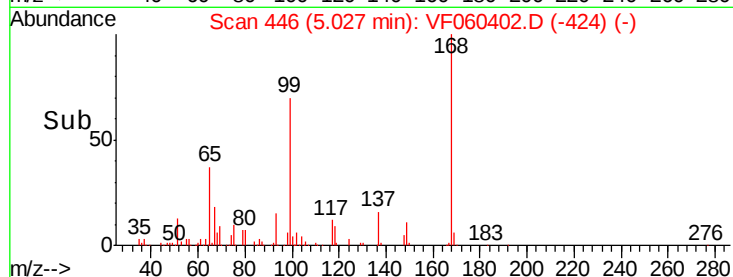
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.724 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060402.D

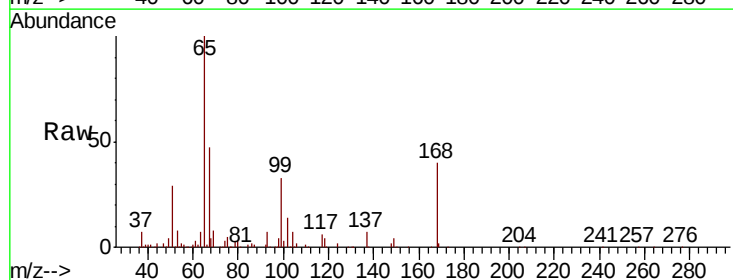
Acq: 2 Oct 2018 15:13

Tgt Ion: 65 Resp: 185733

Ion Ratio Lower Upper

65 100

67 46.8 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

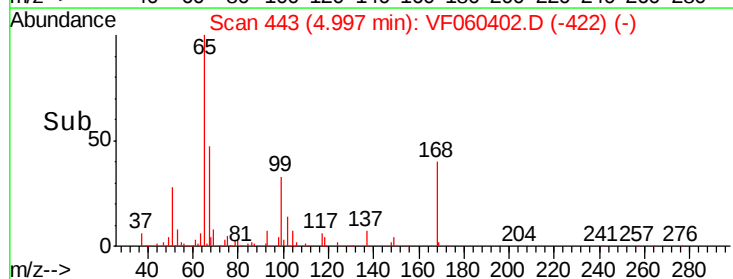
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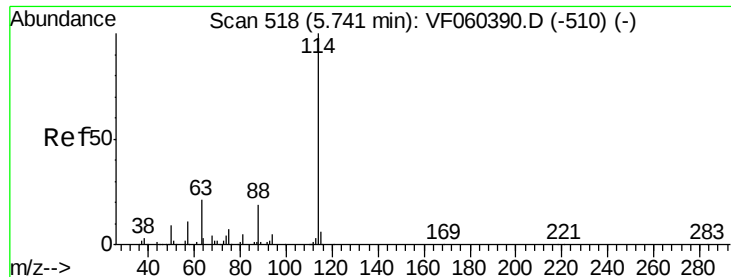
40000

20000

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Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Instrument :

MSVOA_F

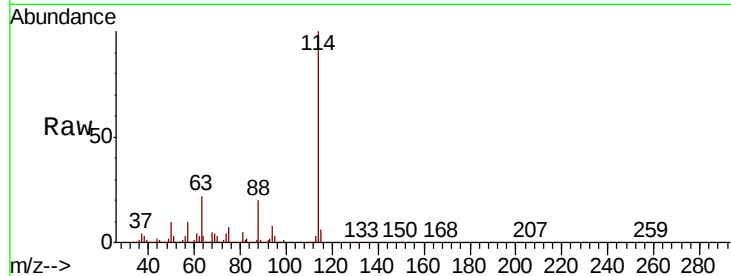
ClientSampleId :

PL-01-092718-BRE

Tot Ion:	114	Resp:	358747
Ion Ratio	Lower	Upper	
114	100		
63	22.4	0.0	42.2
88	19.9	0.0	38.8

Manual Integrations
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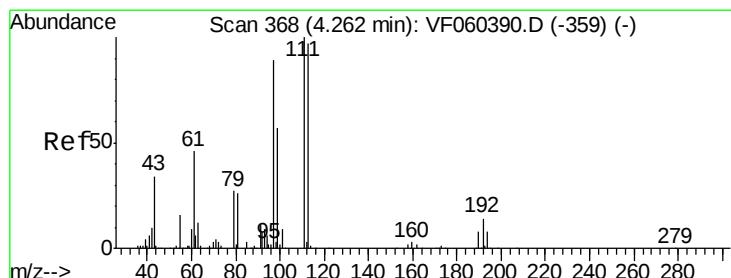
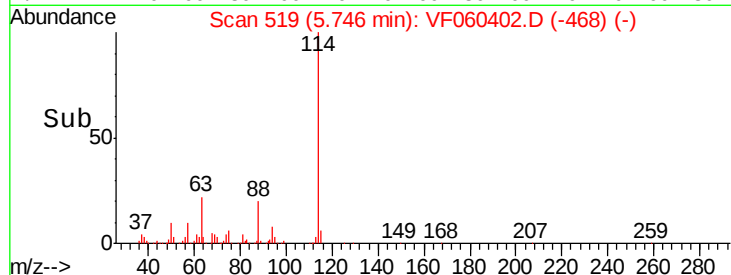
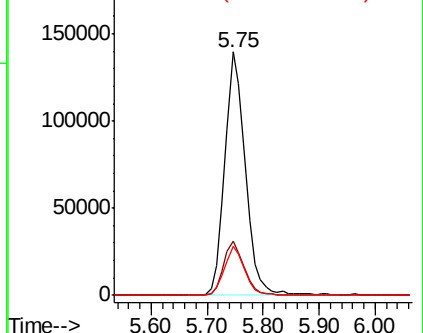
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 55.360 ug/l

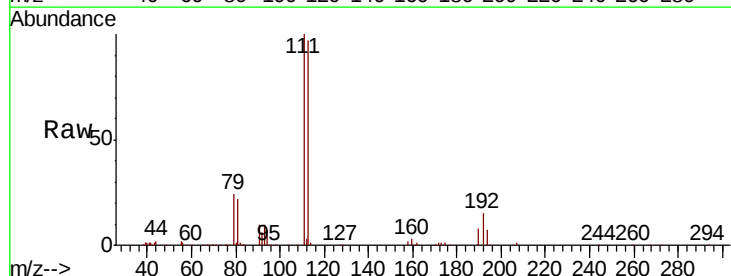
RT: 4.28 min Scan# 370

Delta R.T. 0.02 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

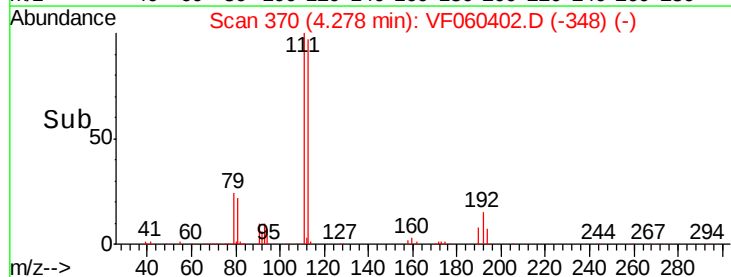
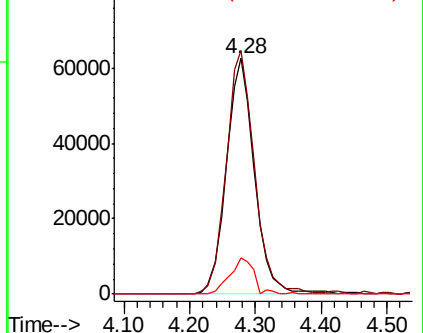
Tgt Ion:	113	Resp:	186573
Ion Ratio	Lower	Upper	
113	100		
111	103.5	82.3	123.5
192	15.3	11.8	17.6

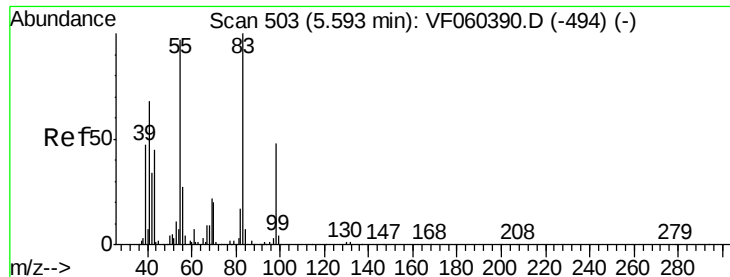


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





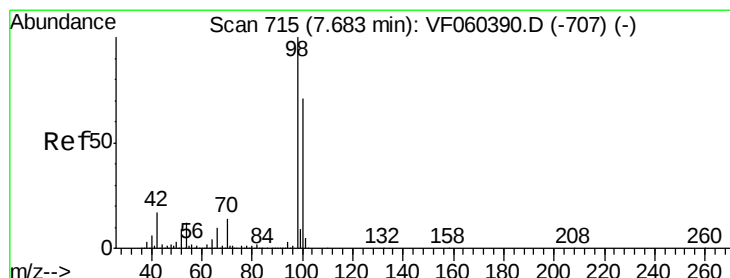
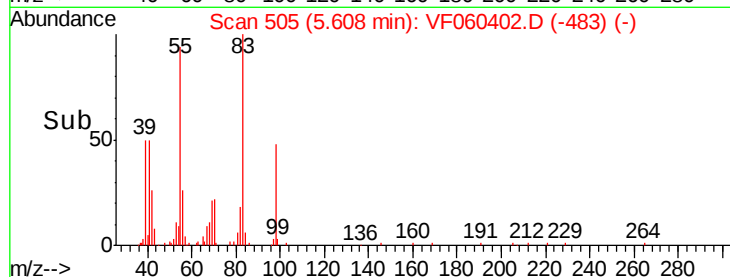
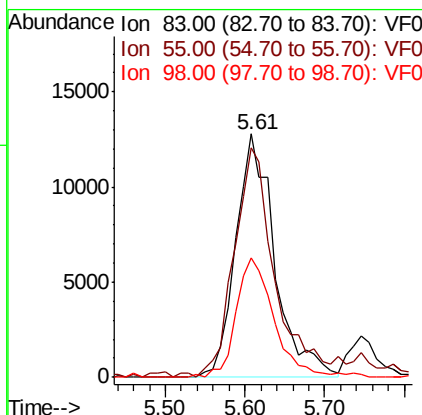
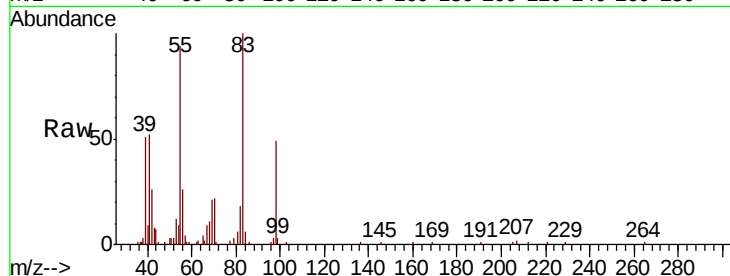
#39
Methvlcvclohexane
Concen: 9.999 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF060402.D
Acq: 2 Oct 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
PL-01-092718-BRE

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.4	77.5	116.3
98	49.0	38.7	58.1

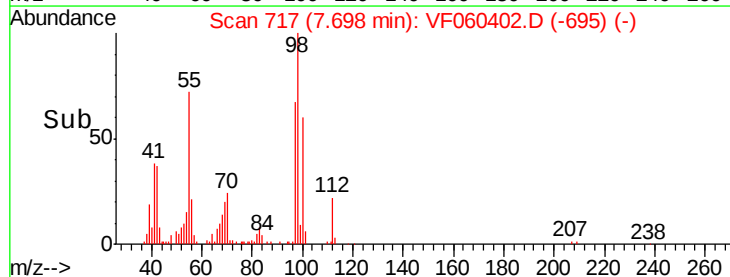
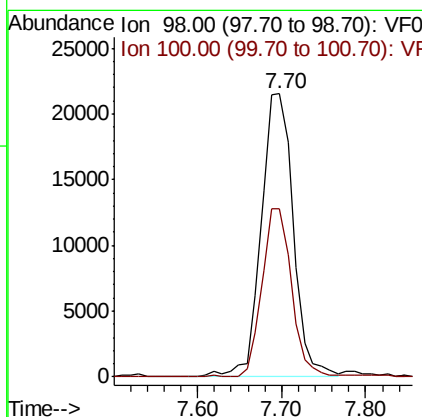
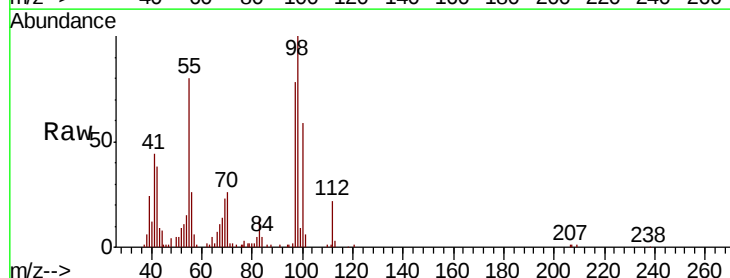
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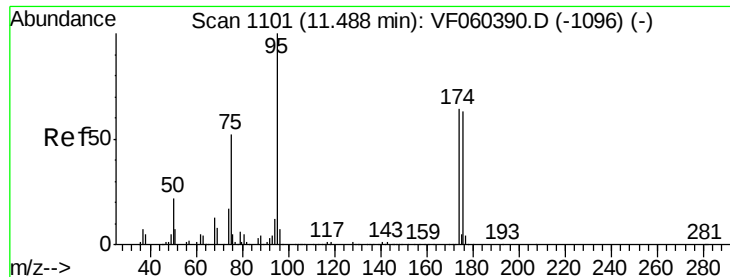
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#50
Toluene-d8
Concen: 6.974 ug/l
RT: 7.70 min Scan# 717
Delta R.T. 0.02 min
Lab File: VF060402.D
Acq: 2 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	59.4	56.5	84.7





#62

4-Bromofluorobenzene

Concen: 29.306 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Instrument :

MSVOA_F

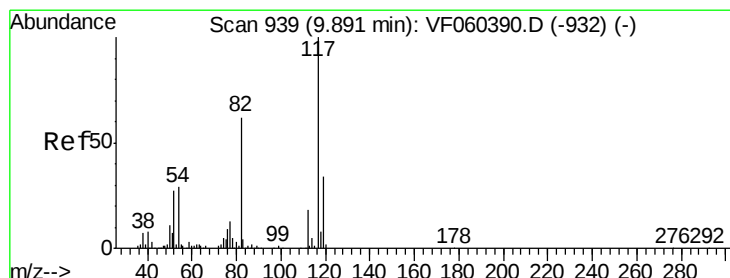
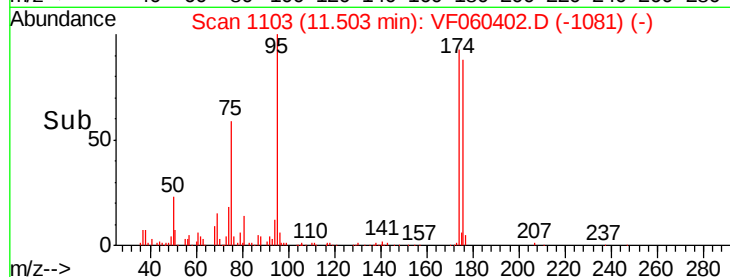
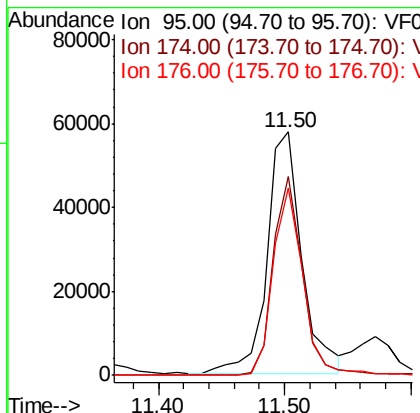
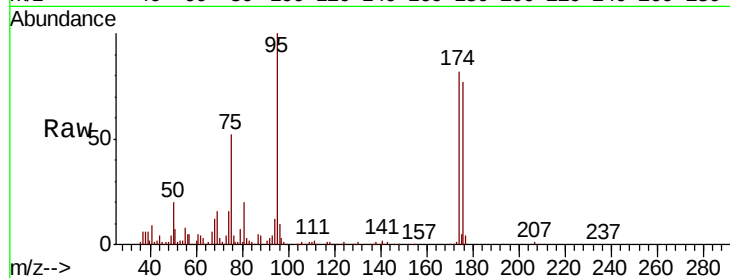
ClientSampleId :

PL-01-092718-BRE

Tot Ion:	95	Resp:	111066
Ion Ratio	Lower	Upper	
95	100		
174	81.8	0.0	129.0
176	76.9	0.0	125.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

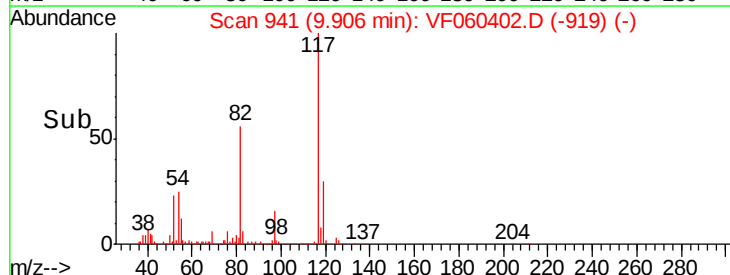
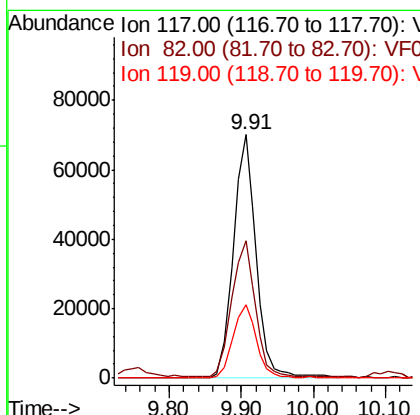
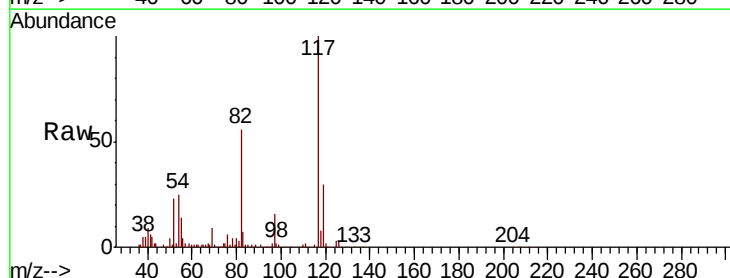
RT: 9.91 min Scan# 941

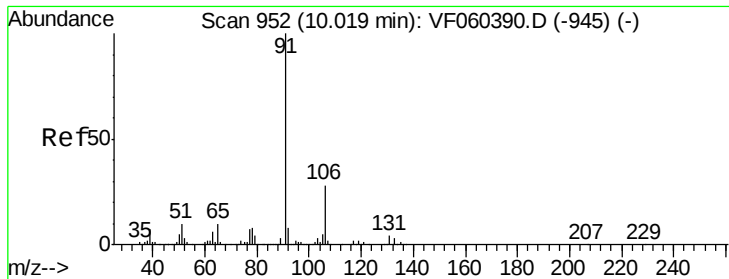
Delta R.T. 0.02 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Tgt Ion:	117	Resp:	153895
Ion Ratio	Lower	Upper	
117	100		
82	56.4	49.5	74.3
119	29.9	27.0	40.6





#67

Ethyl Benzene

Concen: 1.581 ug/l

RT: 10.02 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-BRE

Tot Ion: 91 Resp: 9501

Ion Ratio Lower Upper

91 100

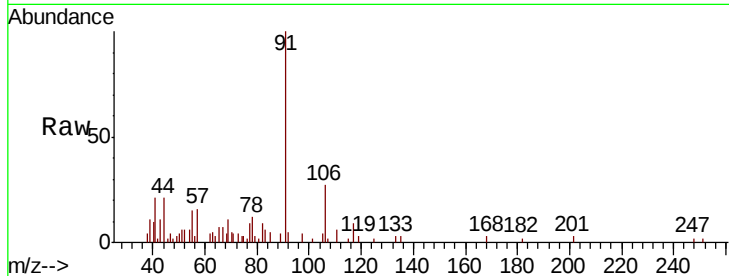
106 26.8 22.5 33.7

Manual Integrations

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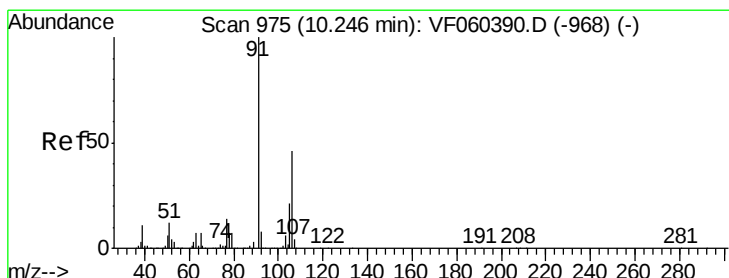
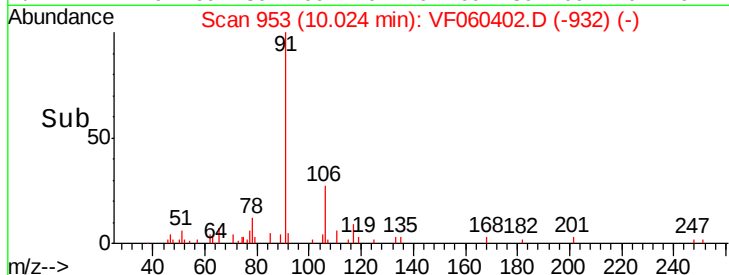
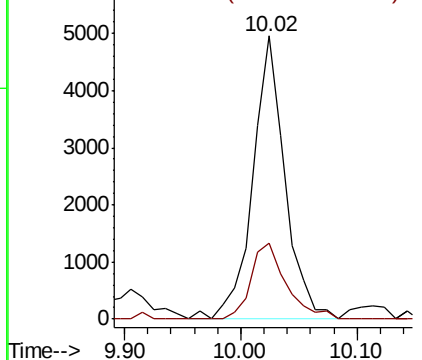
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 5.109 ug/l

RT: 10.25 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060402.D

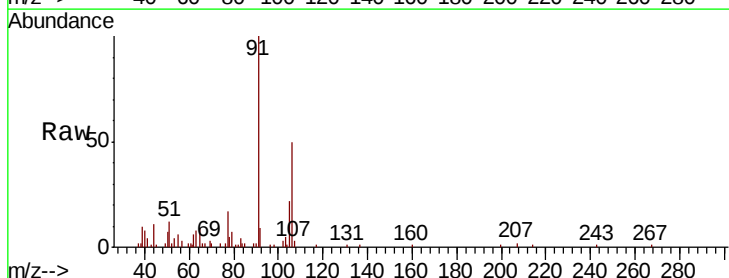
Acq: 2 Oct 2018 15:13

Tgt Ion: 106 Resp: 10556

Ion Ratio Lower Upper

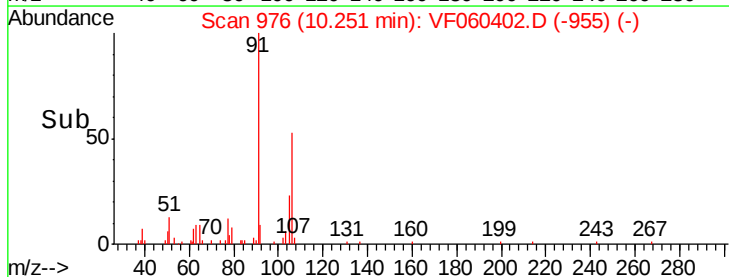
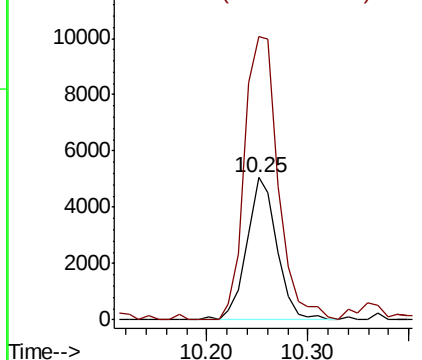
106 100

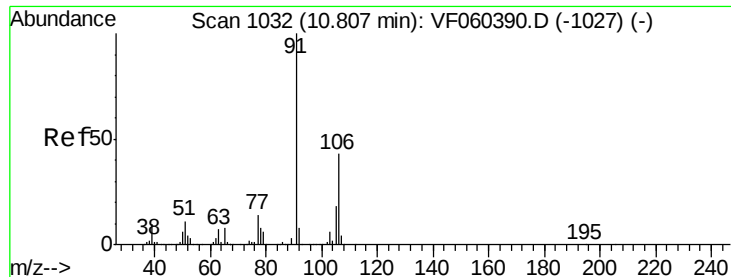
91 199.1 175.0 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





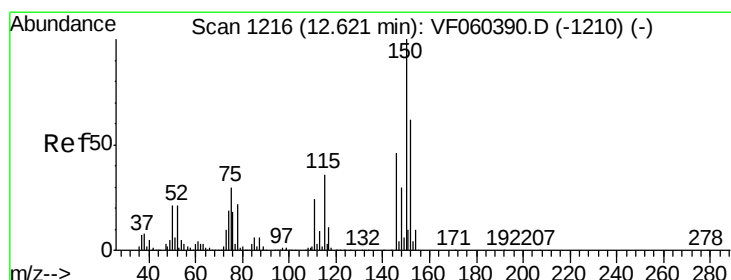
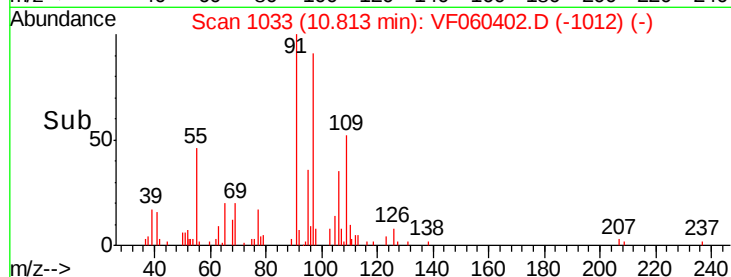
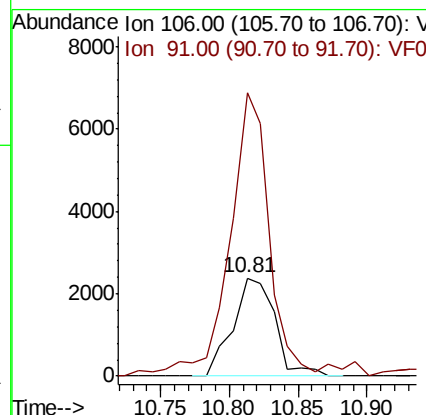
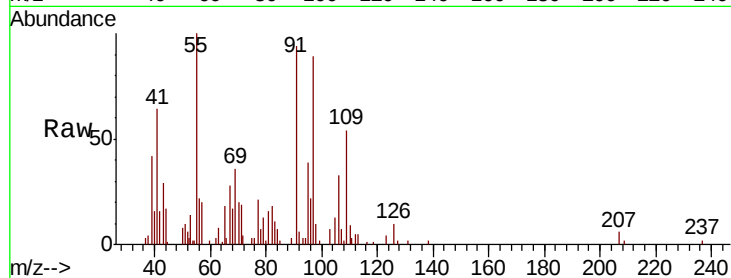
#69
o-Xylene
Concen: 2.259 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VF060402.D
Acq: 2 Oct 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
PL-01-092718-BRE

Tot Ion:106 Resp: 5088
Ion Ratio Lower Upper
106 100
91 287.9 115.1 345.2

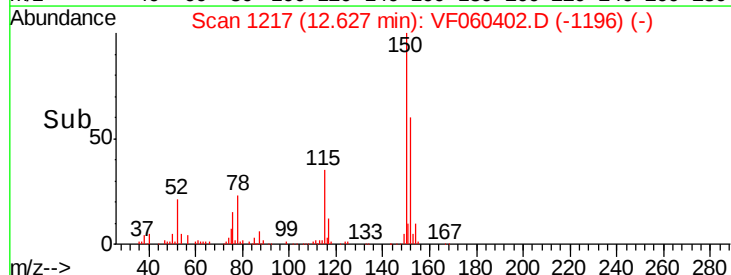
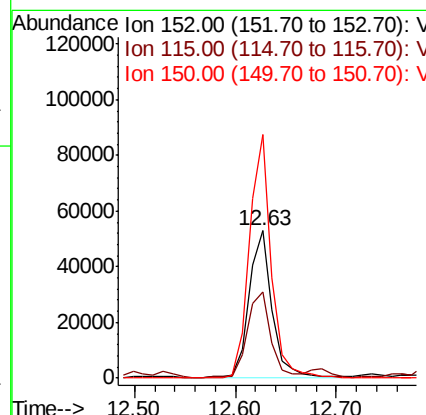
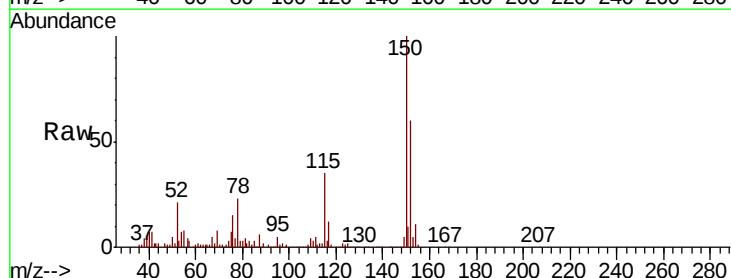
Manual Integrations
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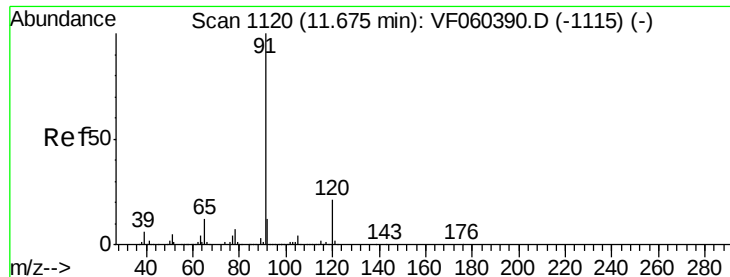
apatel
10/3/2018 1:02:10 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. 0.01 min
Lab File: VF060402.D
Acq: 2 Oct 2018 15:13

Tgt Ion:152 Resp: 85596
Ion Ratio Lower Upper
152 100
115 58.6 28.6 85.8
150 165.3 0.0 324.6





#78

n-propylbenzene

Concen: 1.534 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Instrument :

MSVOA_F

ClientSampleId :

PL-01-092718-BRE

Tot Ion: 91 Resp: 12536

Ion Ratio Lower Upper

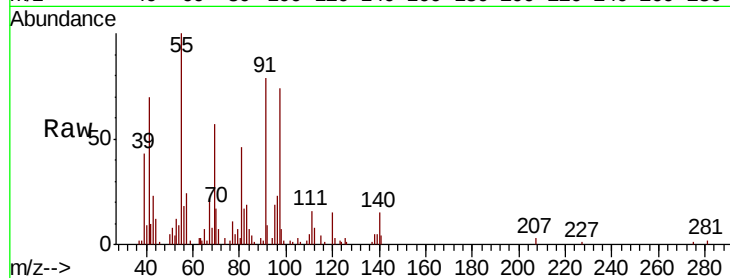
91 100

120 19.6 10.5 31.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VF060390.D (-1115) (-)

Ion 120.00 (119.70 to 120.70): VF060390.D (-1115) (-)

10000

8000

6000

4000

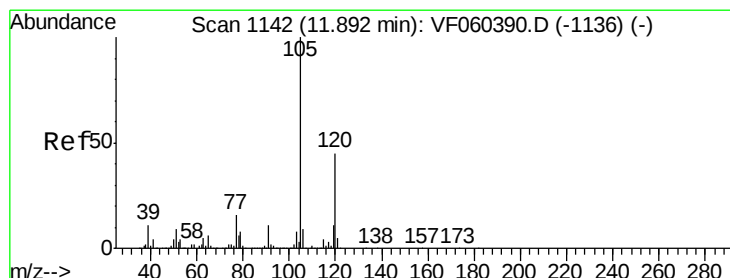
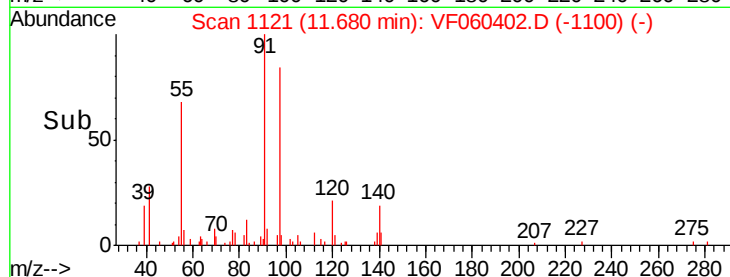
2000

0

11.60

11.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 26.180 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF060402.D

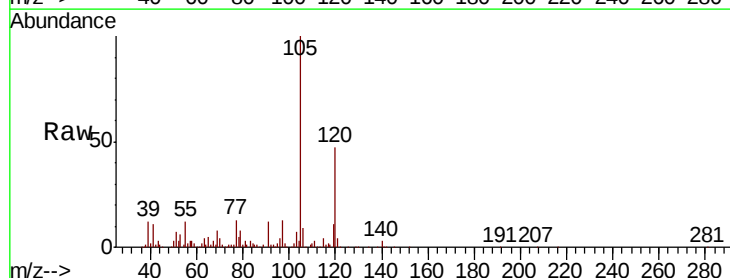
Acq: 2 Oct 2018 15:13

Tgt Ion: 105 Resp: 149910

Ion Ratio Lower Upper

105 100

120 47.4 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): VF060390.D (-1136) (-)

Ion 120.00 (119.70 to 120.70): VF060390.D (-1136) (-)

100000

80000

60000

40000

20000

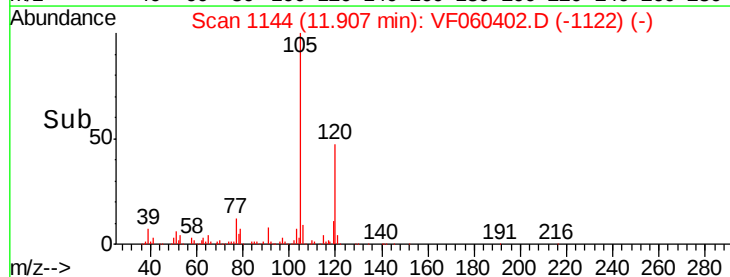
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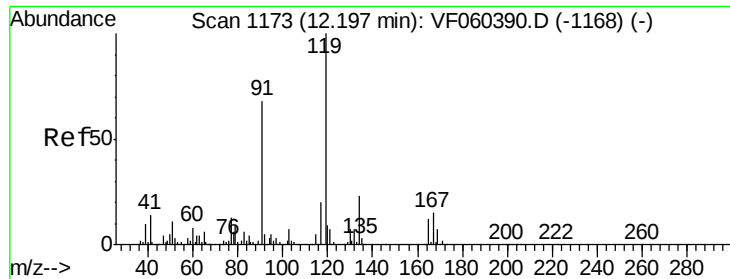
11.80

11.90

12.00

Time-->





#83

tert-Butylbenzene

Concen: 2.268 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Instrument :

MSVOA_F

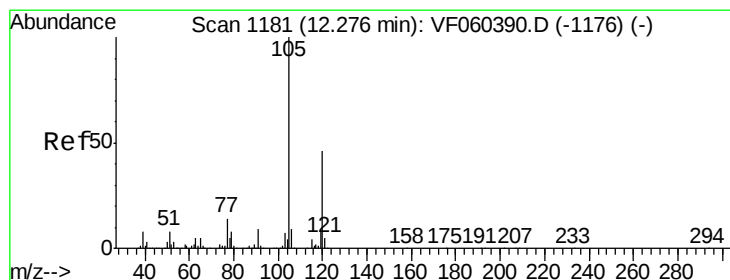
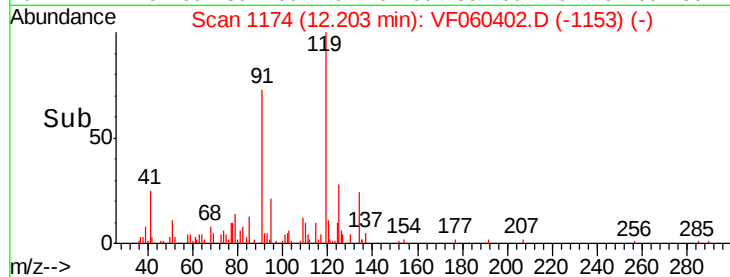
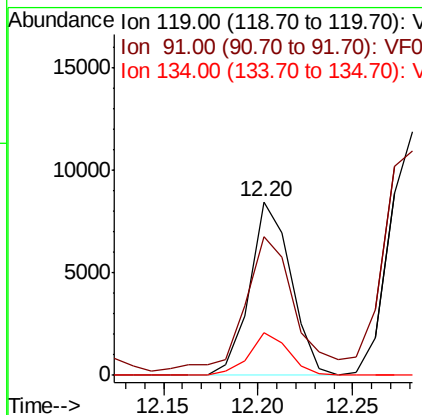
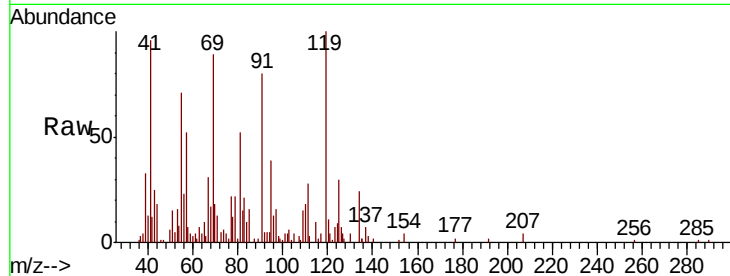
ClientSampleId :

PL-01-092718-BRE

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.0	34.0	102.0
134	24.3	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 26.599 ug/l

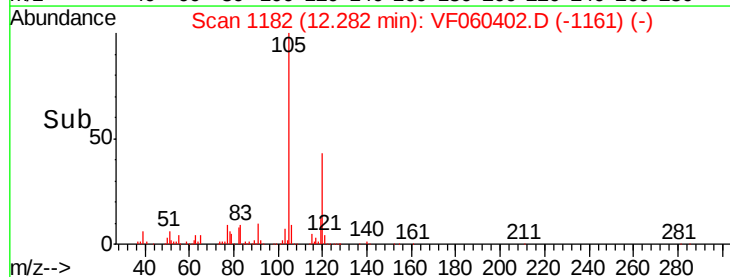
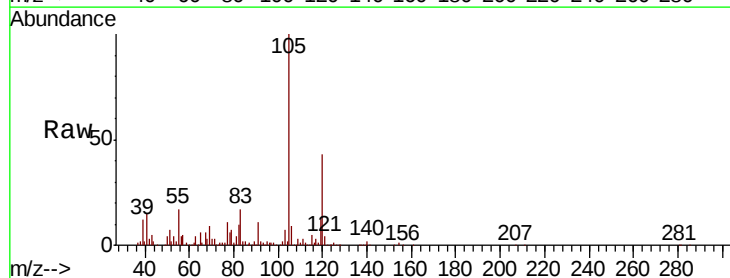
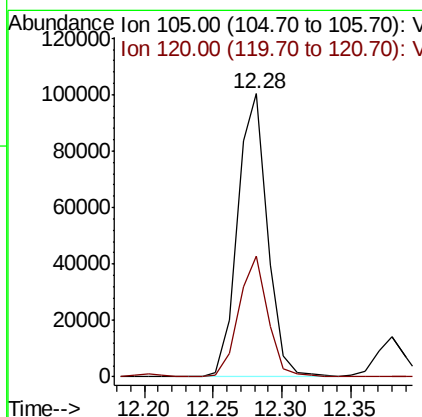
RT: 12.28 min Scan# 1182

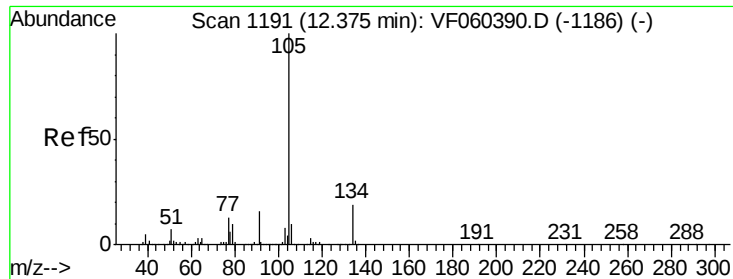
Delta R.T. 0.01 min

Lab File: VF060402.D

Acq: 2 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	23.1	69.2





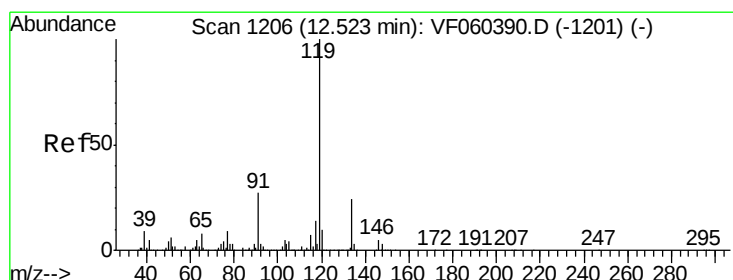
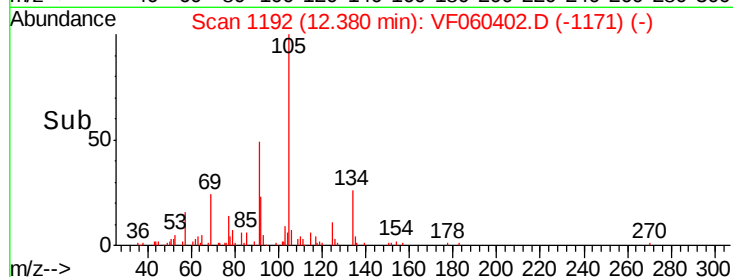
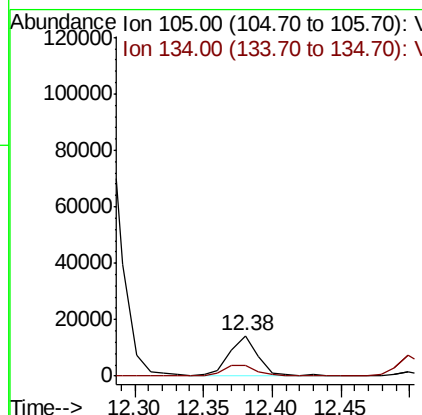
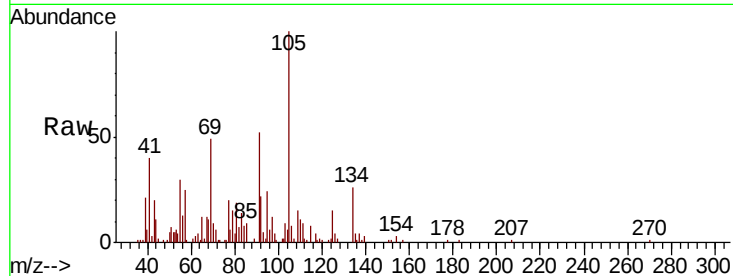
#85
 sec-Butylbenzene
 Concen: 2.600 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060402.D
 Acq: 2 Oct 2018 15:13

Instrument :
 MSVOA_F
 ClientSampleId :
 PL-01-092718-BRE

Tot Ion	Ratio	Lower	Upper
105	100		
134	25.6	9.4	28.3

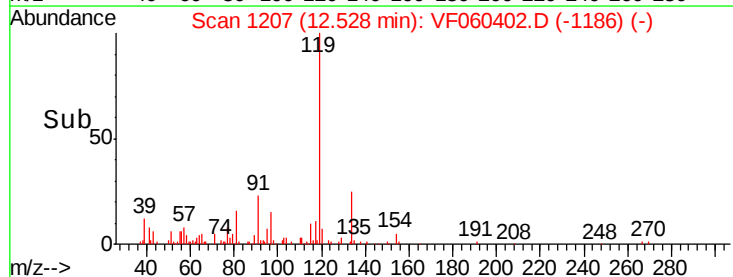
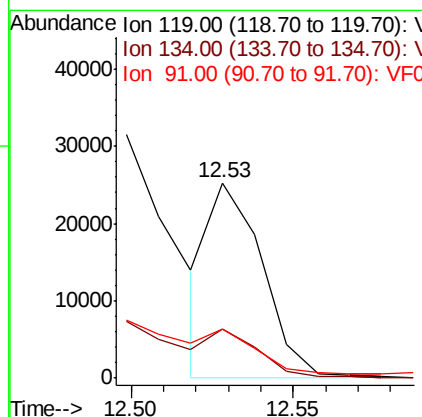
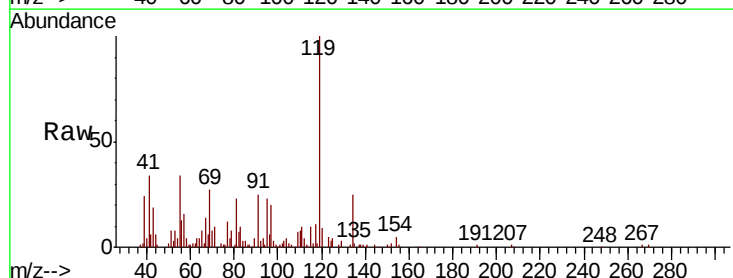
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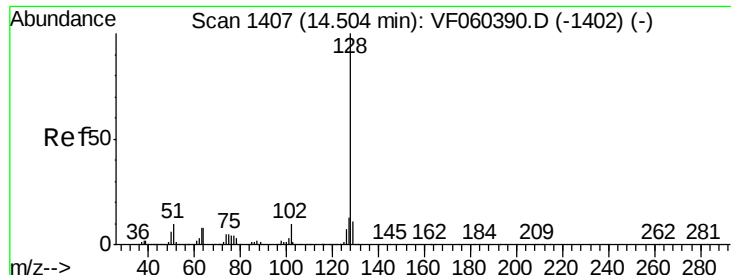
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#86
 p-Isopropyltoluene
 Concen: 4.578 ug/l m
 RT: 12.53 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VF060402.D
 Acq: 2 Oct 2018 15:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.3	36.8
91	25.2	13.5	40.4





#95
Naphthalene
Concen: 13.686 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.02 min
Lab File: VF060402.D
Acq: 2 Oct 2018 15:13

Instrument :
MSVOA_F
ClientSampleId :
PL-01-092718-BRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.0	15.0
129	19.5	8.7	13.1

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