

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100518\
 Data File : VF060473.D
 Acq On : 5 Oct 2018 23:47
 Operator : VA/AP
 Sample : J5084-18
 Misc : 5.30/5mL/MSVOA F/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 B-5(12-12.5)

Quant Time: Oct 06 05:41:28 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	5.02	168	321481	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.75	114	642669	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.90	117	369821	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	208458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	174361	34.66	ug/l	0.01
Spiked Amount			Recovery	=	69.32%	
35) Dibromofluoromethane	4.27	113	162714	26.95	ug/l	0.01
Spiked Amount			Recovery	=	53.90%	
50) Toluene-d8	7.69	98	372309	25.04	ug/l	0.01
Spiked Amount			Recovery	=	50.08%	
62) 4-Bromofluorobenzene	11.50	95	275866	40.63	ug/l	0.01
Spiked Amount			Recovery	=	81.26%	

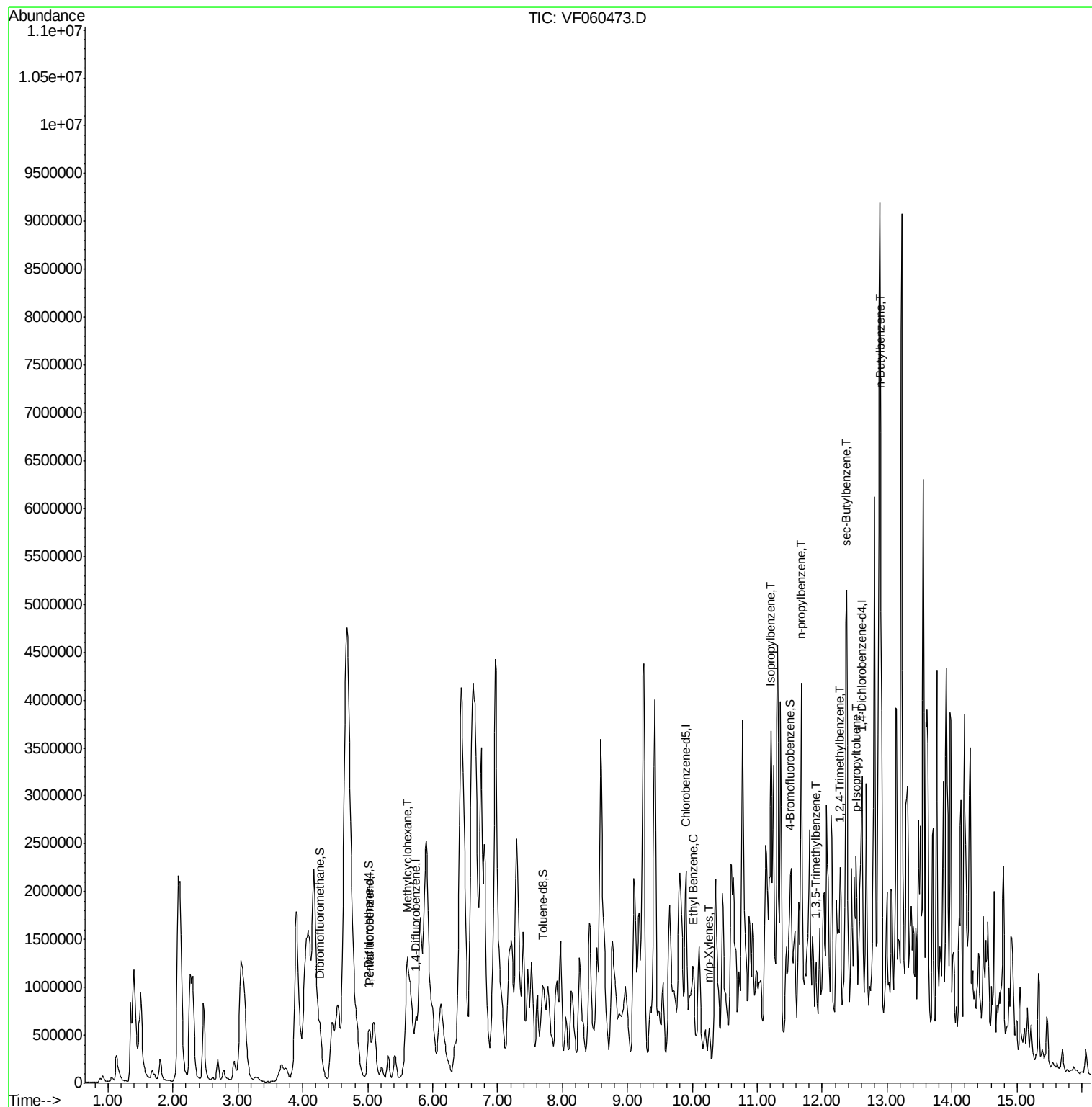
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	5.61	83	1106330	142.424	ug/l	95
67) Ethyl Benzene	10.03	91	495897	34.331	ug/l	99
68) m/p-Xylenes	10.26	106	64698	13.029	ug/l	91
73) Isopropylbenzene	11.21	105	573454	34.938	ug/l	98
78) n-propylbenzene	11.68	91	2614187	131.379	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	76479	5.484	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	90078	6.513	ug/l	89
85) sec-Butylbenzene	12.39	105	1266105	66.689	ug/l #	68
86) p-Isopropyltoluene	12.53	119	228188	14.712	ug/l	97
89) n-Butylbenzene	12.91	91	2581980	157.315	ug/l	93

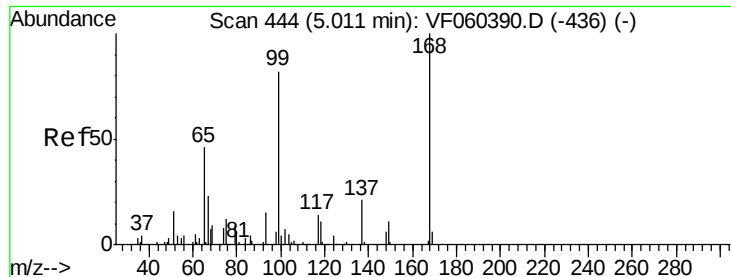
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF100518\
Data File : VF060473.D
Acq On : 5 Oct 2018 23:47
Operator : VA/AP
Sample : J5084-18
Misc : 5.30/5mL/MSVOA F/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

Quant Time: Oct 06 05:41:28 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: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

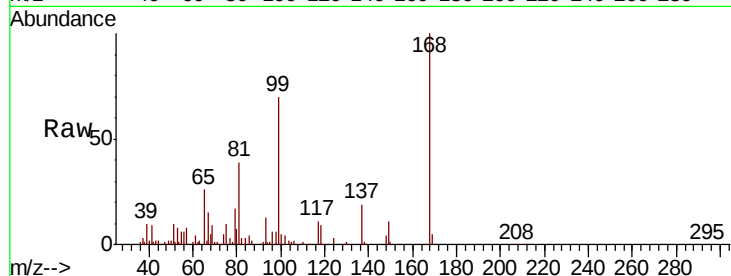
B-5(12-12.5)

Tot Ion:168 Resp: 321481

Ion Ratio Lower Upper

168 100

99 70.2 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

120000

100000

80000

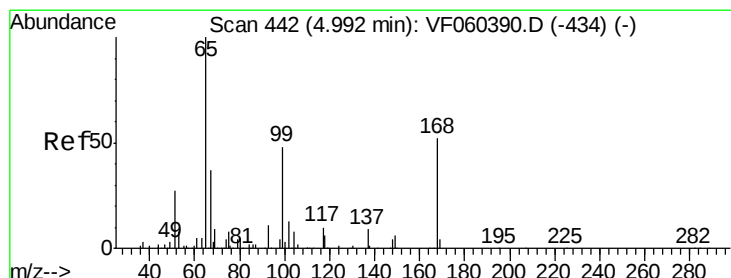
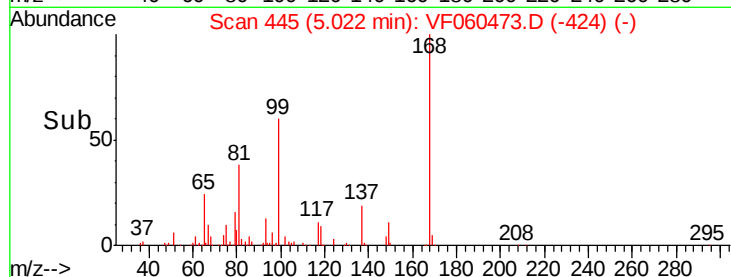
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 34.661 ug/l

RT: 5.00 min Scan# 443

Delta R.T. 0.01 min

Lab File: VF060473.D

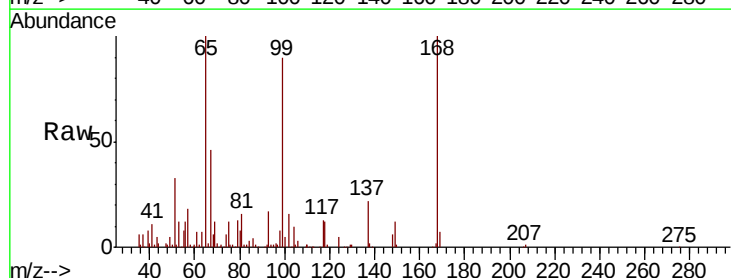
Acq: 5 Oct 2018 23:47

Tgt Ion: 65 Resp: 174361

Ion Ratio Lower Upper

65 100

67 46.1 0.0 89.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.00

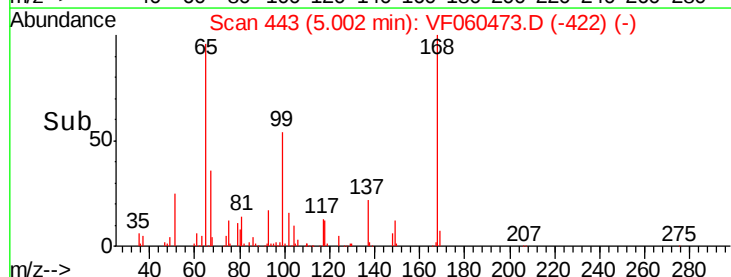
60000

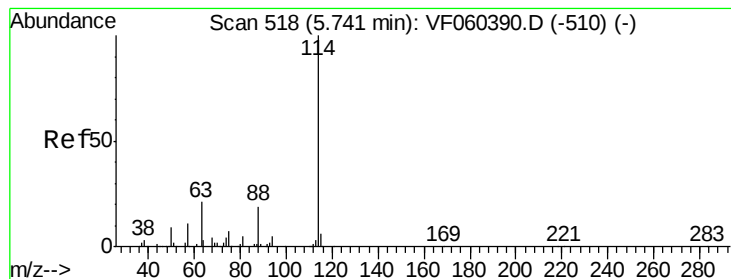
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

B-5(12-12.5)

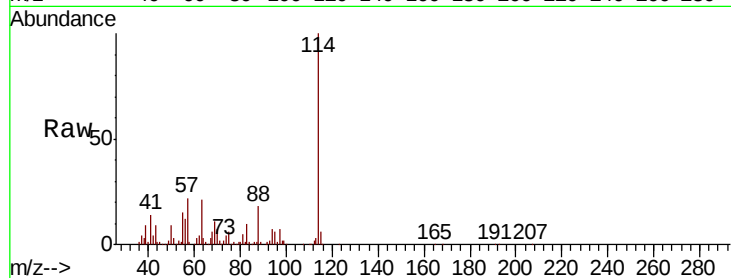
Tot Ion:114 Resp: 642669

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.2

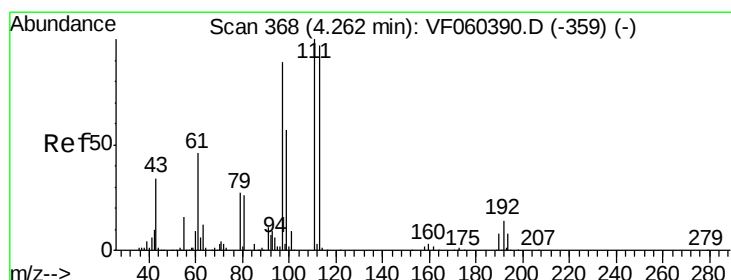
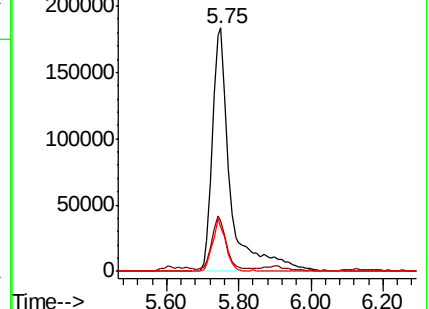
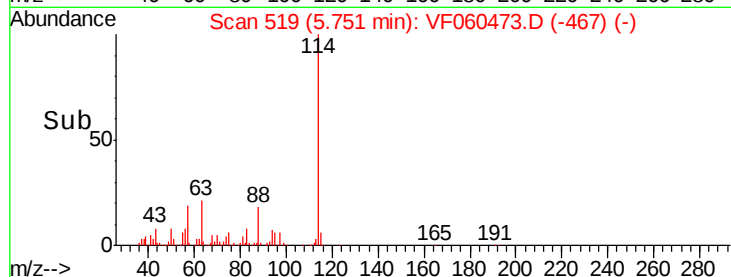
88 18.3 0.0 38.8



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: 26.951 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

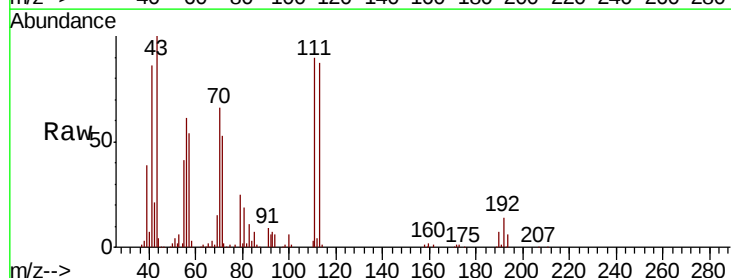
Tgt Ion:113 Resp: 162714

Ion Ratio Lower Upper

113 100

111 103.4 82.3 123.5

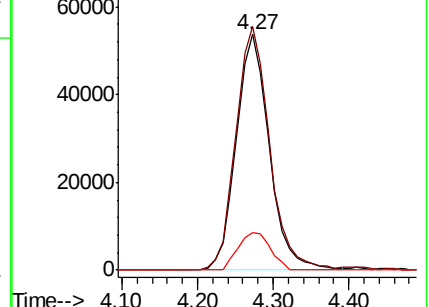
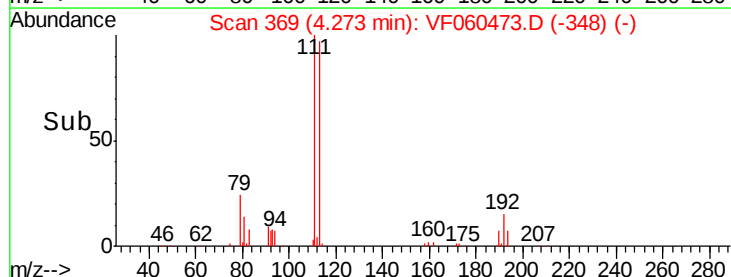
192 16.0 11.8 17.6

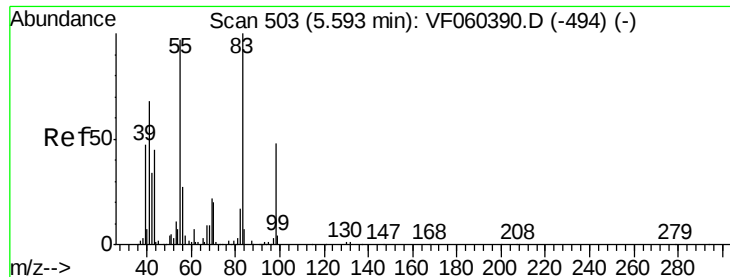


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

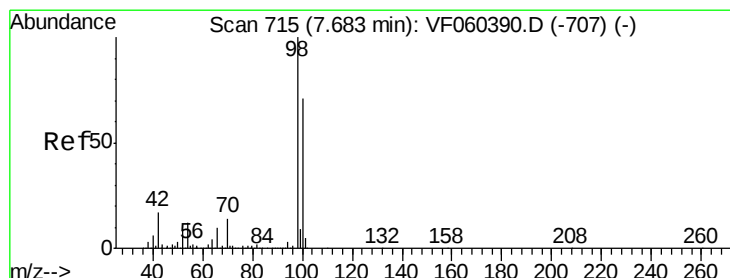
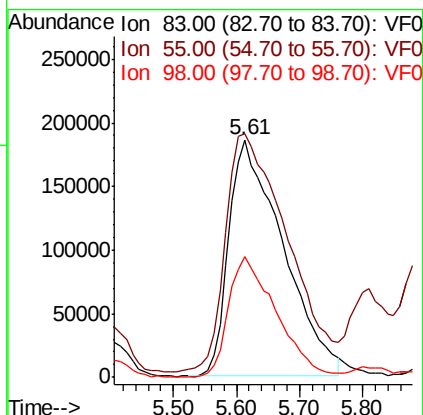
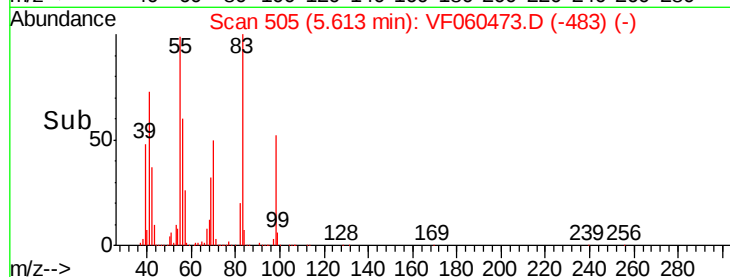
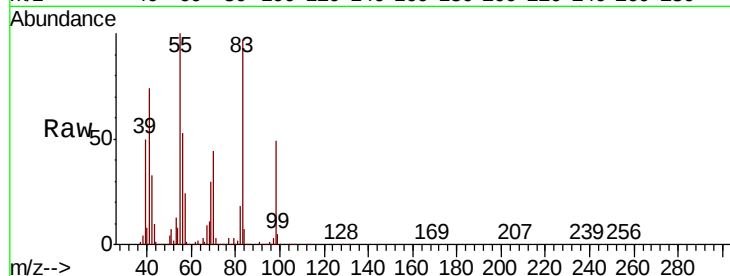




#39
Methvlcvclohexane
Concen: 142.424 ug/l
RT: 5.61 min Scan# 505
Delta R.T. 0.02 min
Lab File: VF060473.D
Acq: 5 Oct 2018 23:47

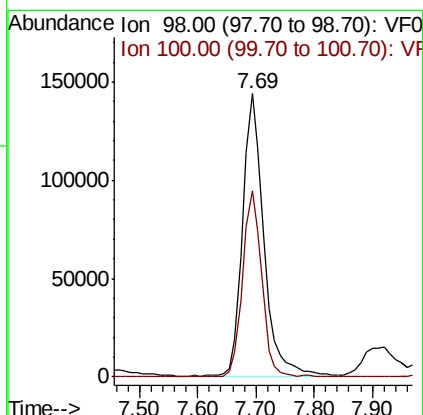
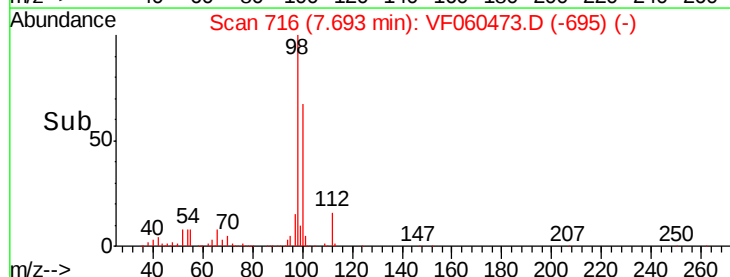
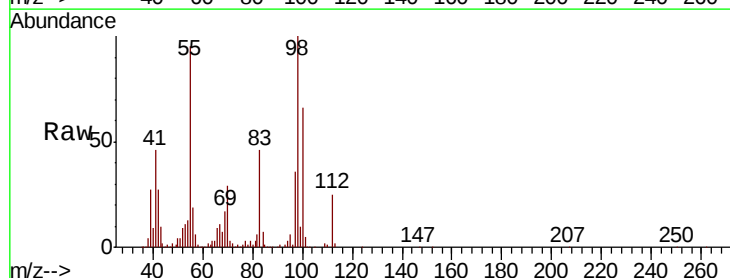
Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

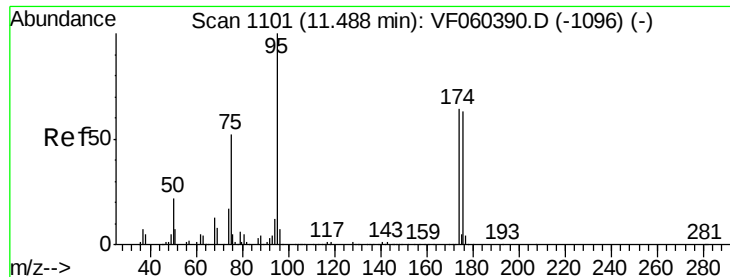
Tot Ion: 83 Resp: 1106330
Ion Ratio Lower Upper
83 100
55 102.6 77.5 116.3
98 50.7 38.7 58.1



#50
Toluene-d8
Concen: 25.039 ug/l
RT: 7.69 min Scan# 716
Delta R.T. 0.01 min
Lab File: VF060473.D
Acq: 5 Oct 2018 23:47

Tgt Ion: 98 Resp: 372309
Ion Ratio Lower Upper
98 100
100 65.6 56.5 84.7





#62

4-Bromofluorobenzene

Concen: 40.633 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

B-5(12-12.5)

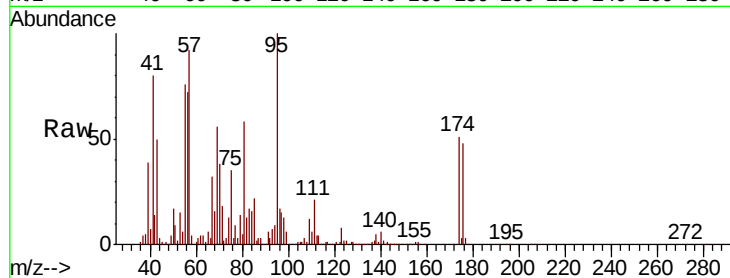
Tot Ion: 95 Resp: 275866

Ion Ratio Lower Upper

95 100

174 51.2 0.0 129.0

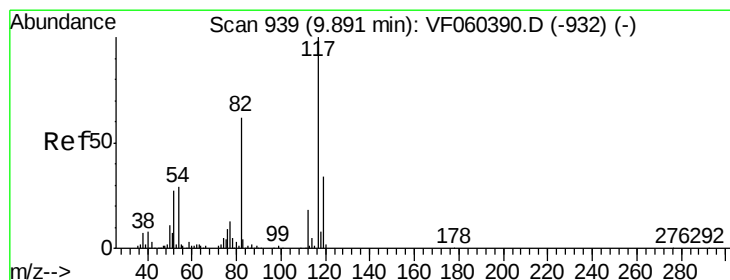
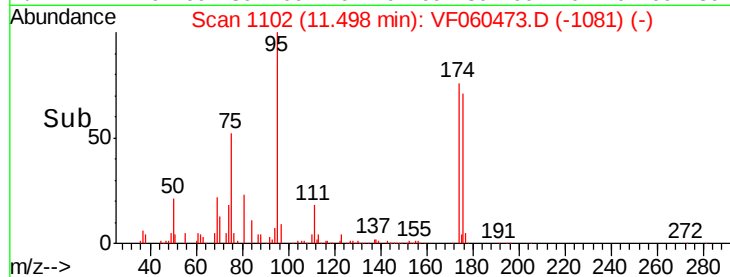
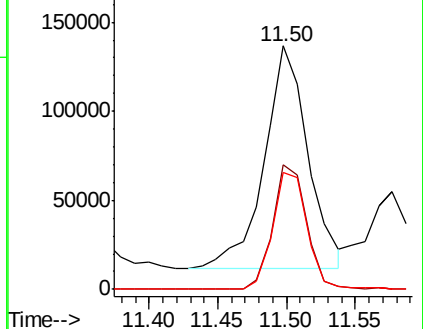
176 47.8 0.0 125.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

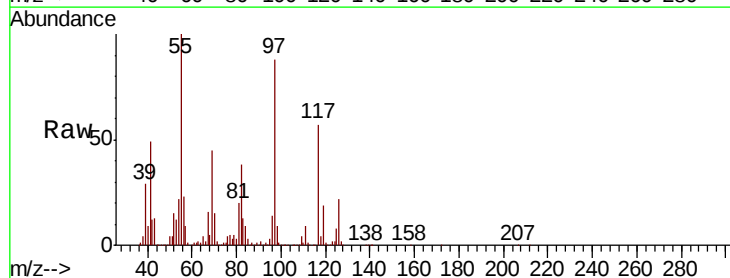
Tgt Ion: 117 Resp: 369821

Ion Ratio Lower Upper

117 100

82 66.2 49.5 74.3

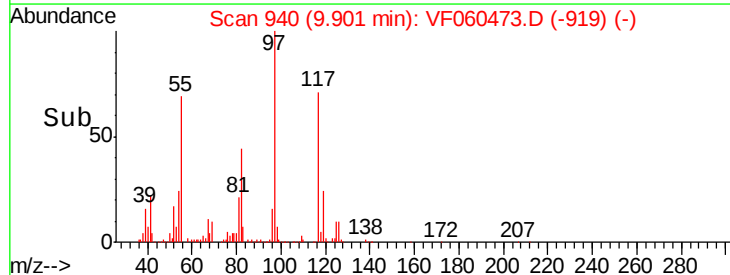
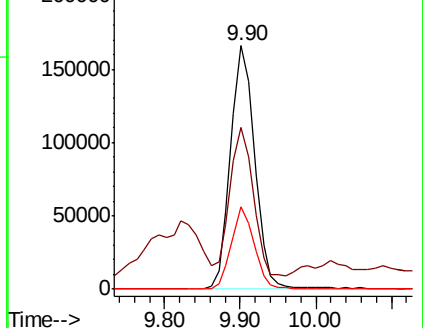
119 33.9 27.0 40.6

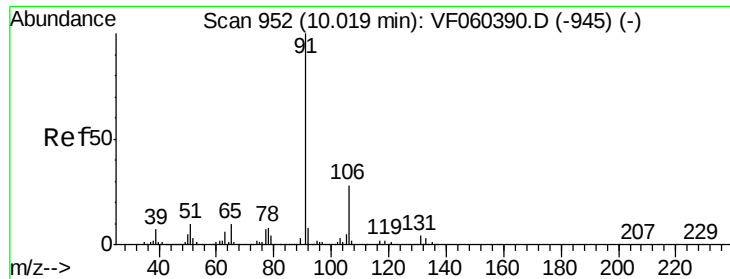


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 34.331 ug/l

RT: 10.03 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

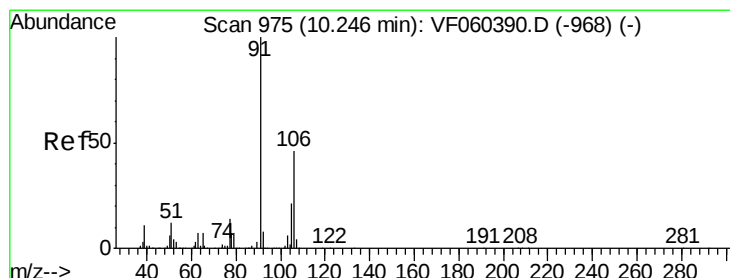
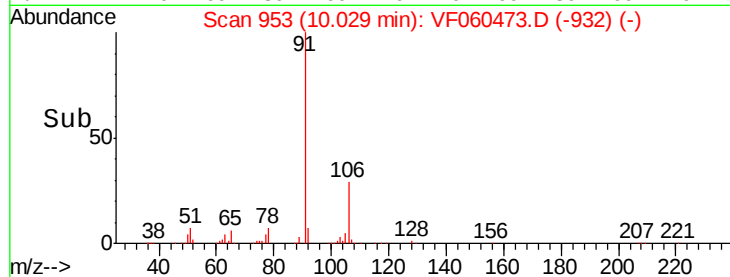
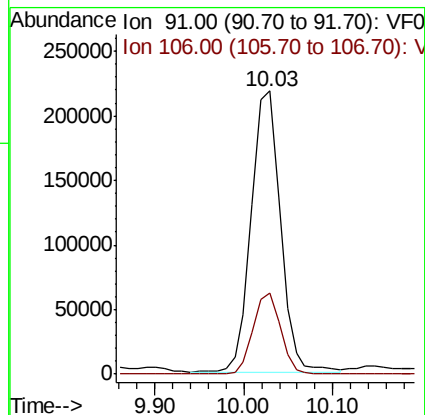
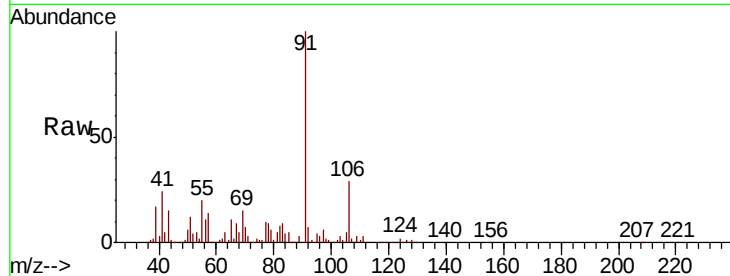
B-5(12-12.5)

Tot Ion: 91 Resp: 495897

Ion Ratio Lower Upper

91 100

106 28.5 22.5 33.7



#68

m/p-Xylenes

Concen: 13.029 ug/l

RT: 10.26 min Scan# 976

Delta R.T. 0.01 min

Lab File: VF060473.D

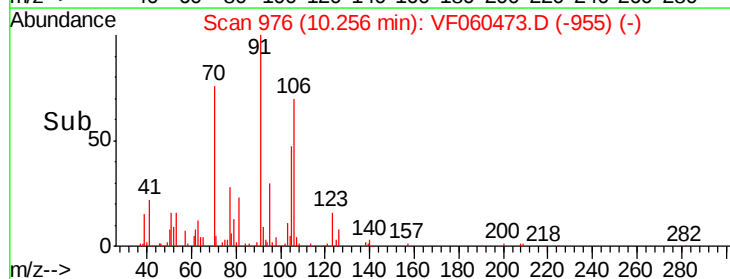
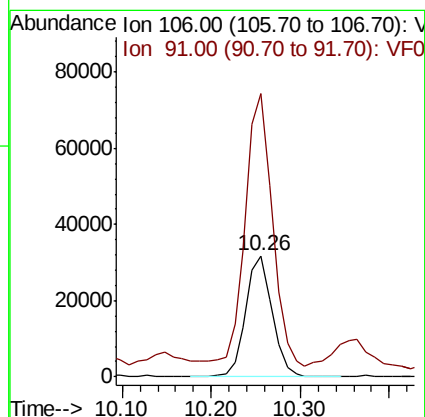
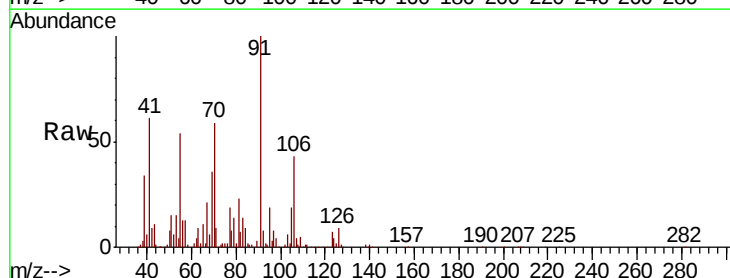
Acq: 5 Oct 2018 23:47

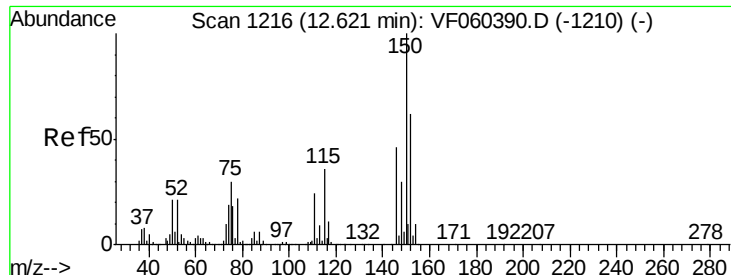
Tgt Ion: 106 Resp: 64698

Ion Ratio Lower Upper

106 100

91 233.5 175.0 262.6



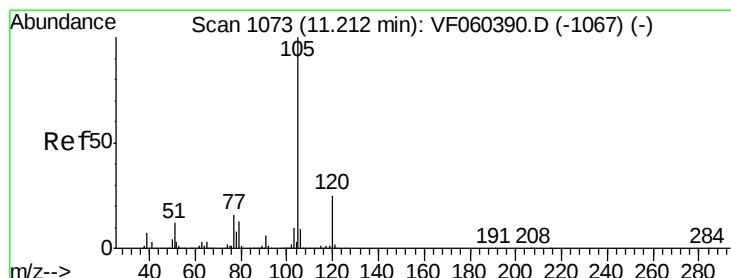
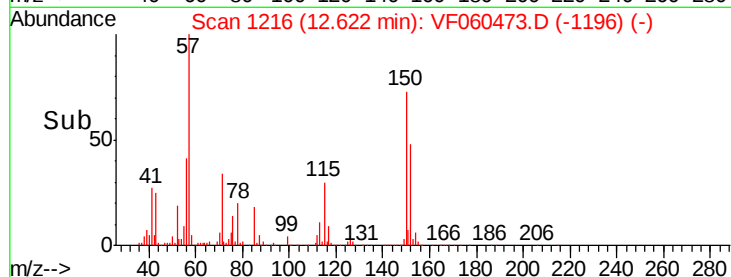
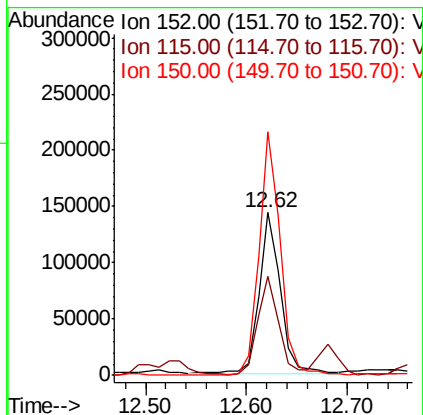
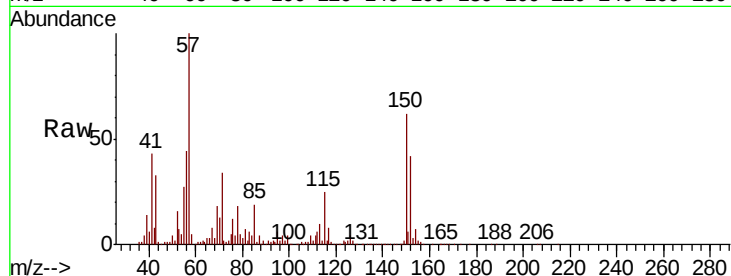


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1216
Delta R.T. 0.00 min
Lab File: VF060473.D
Acq: 5 Oct 2018 23:47

Instrument :
MSVOA_F
ClientSampleId :
B-5(12-12.5)

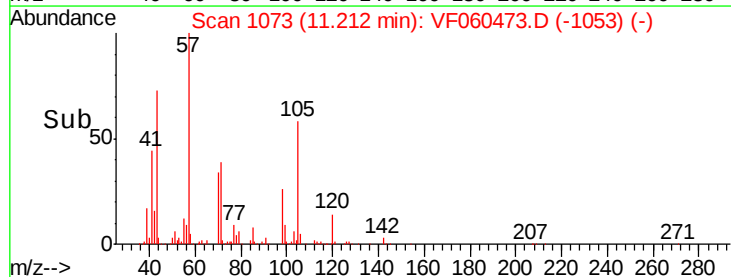
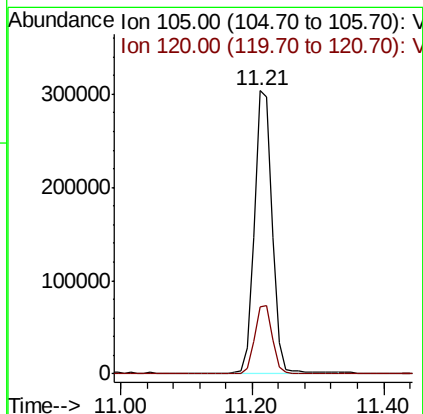
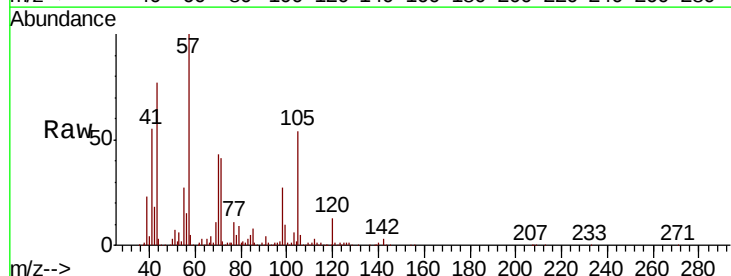
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	28.6	85.8
150	149.4	0.0	324.6

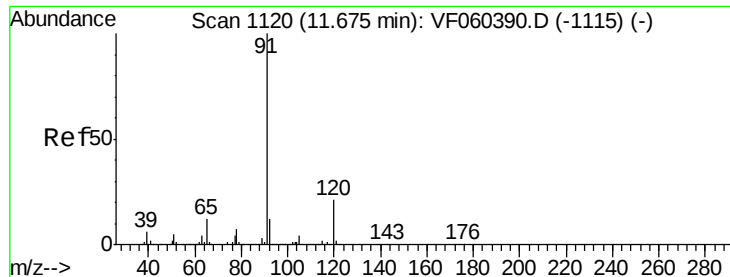


#73

Isopropylbenzene
Concen: 34.938 ug/l
RT: 11.21 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VF060473.D
Acq: 5 Oct 2018 23:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.5	12.3	36.9





#78

n-propylbenzene

Concen: 131.379 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

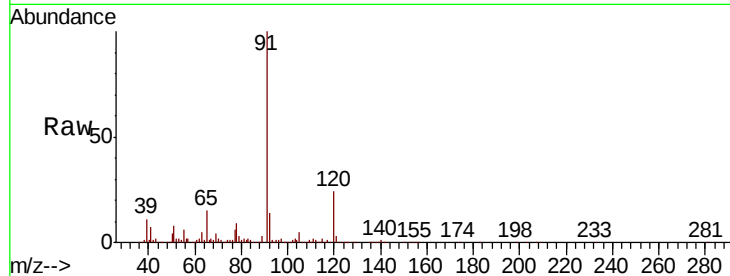
B-5(12-12.5)

Tot Ion: 91 Resp: 2614187

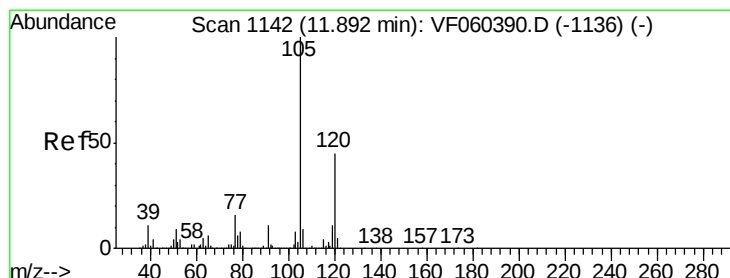
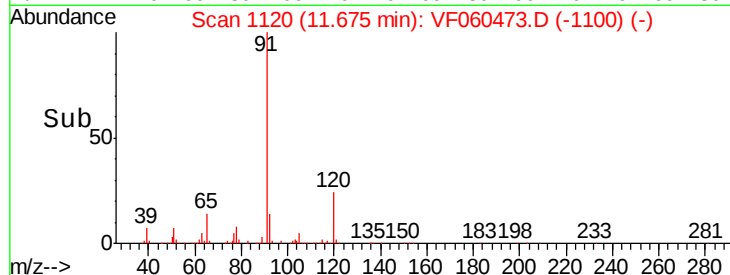
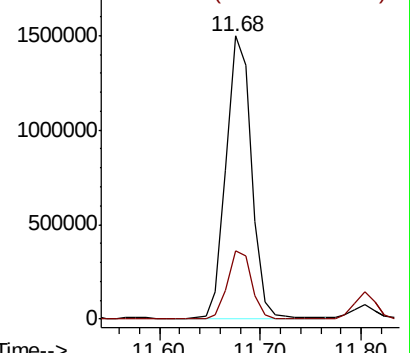
Ion Ratio Lower Upper

91 100

120 24.0 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF060473.D (-1115) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.484 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060473.D

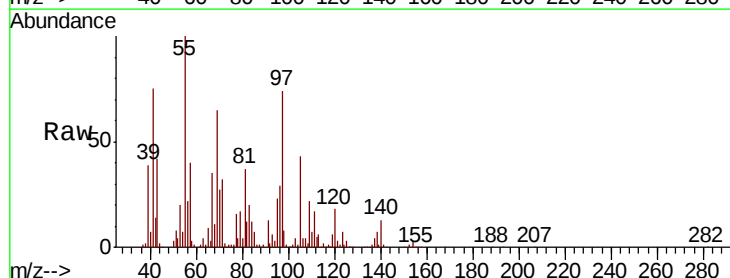
Acq: 5 Oct 2018 23:47

Tgt Ion: 105 Resp: 76479

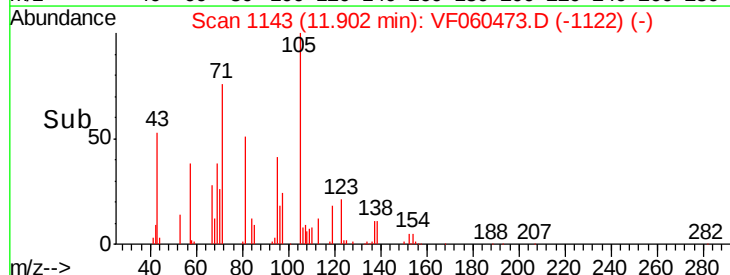
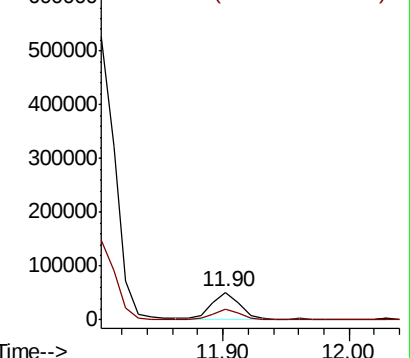
Ion Ratio Lower Upper

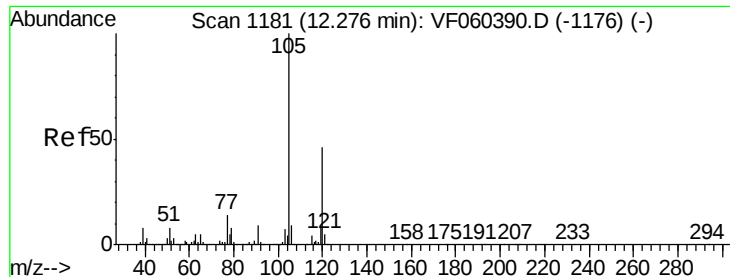
105 100

120 40.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): VF060473.D (-1136) (-)

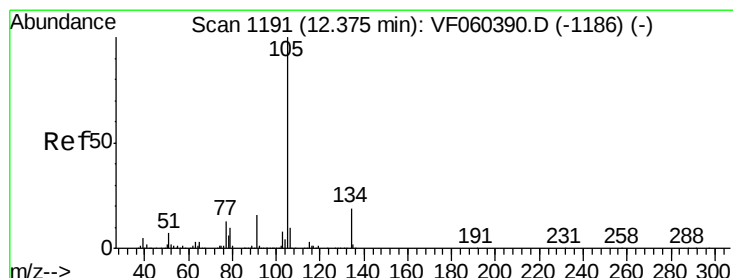
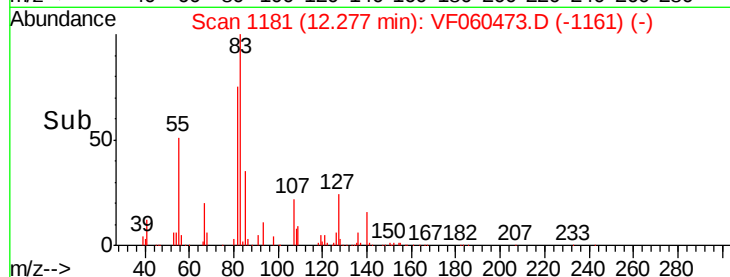
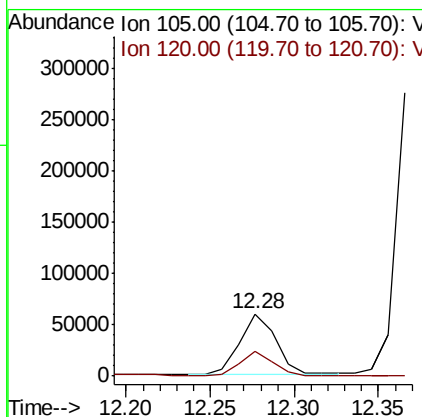
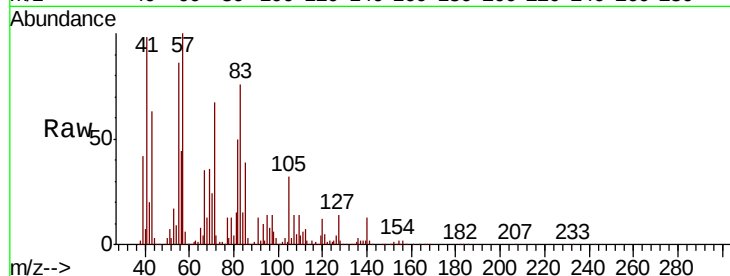




#84
 1,2,4-Trimethylbenzene
 Concen: 6.513 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VF060473.D
 Acq: 5 Oct 2018 23:47

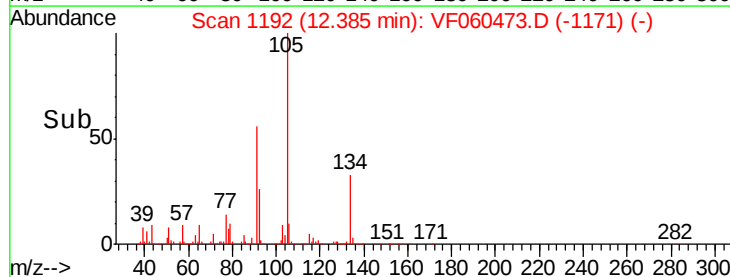
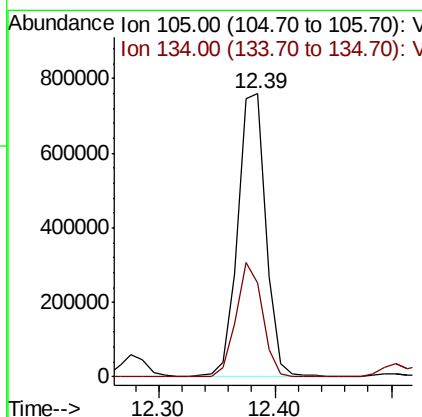
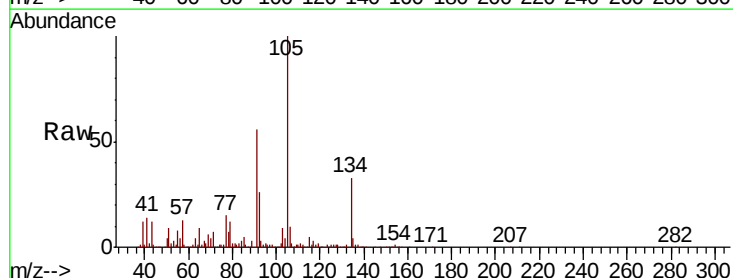
Instrument :
 MSVOA_F
 ClientSampleId :
 B-5(12-12.5)

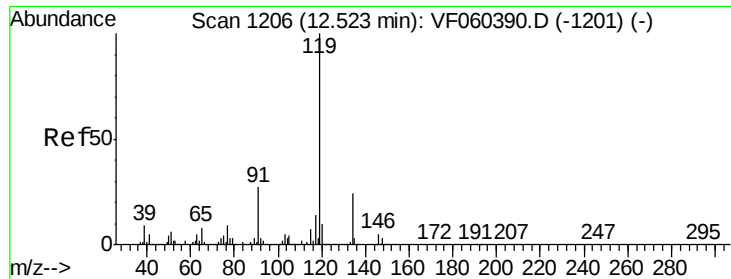
Tot Ion:105 Resp: 90078
 Ion Ratio Lower Upper
 105 100
 120 38.8 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 66.689 ug/l
 RT: 12.39 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: VF060473.D
 Acq: 5 Oct 2018 23:47

Tgt Ion:105 Resp: 1266105
 Ion Ratio Lower Upper
 105 100
 134 33.2 9.4 28.3#





#86

p-Isopropyltoluene

Concen: 14.712 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Instrument :

MSVOA_F

ClientSampleId :

B-5(12-12.5)

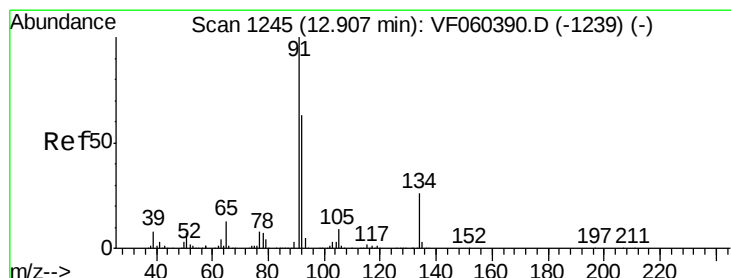
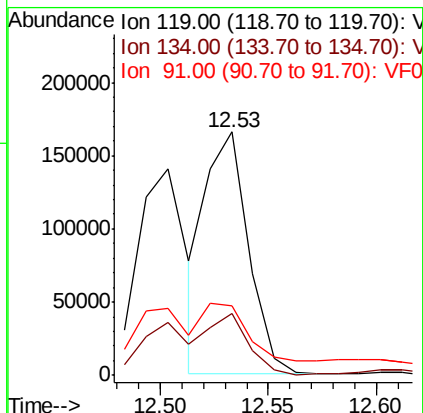
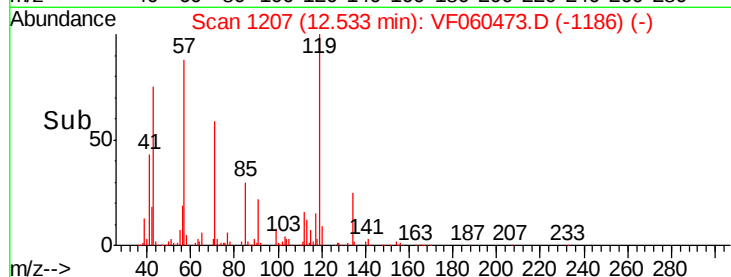
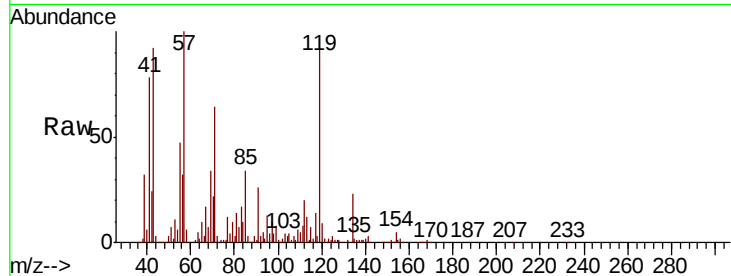
Tot Ion:119 Resp: 228188

Ion Ratio Lower Upper

119 100

134 25.5 12.3 36.8

91 28.7 13.5 40.4



#89

n-Butylbenzene

Concen: 157.315 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VF060473.D

Acq: 5 Oct 2018 23:47

Tgt Ion: 91 Resp: 2581980

Ion Ratio Lower Upper

91 100

92 65.8 31.3 93.9

134 33.1 13.0 38.9

